Panel 1: Genes differentially regulated (fold-change > 2; FDR (false discovery rate) < 0.05) in murine DCs infected with Porphyromonas gingivalis versus untreated controls.

Name	FC	P.Value	adj.P.Val	B
chemokine (C-X-C motif) ligand 1	36,49360867	1,21E-15	2,48E-11	24,28412569
chemokine (C-X-C motif) ligand 2	40,94660632	5,62E-15	5,77E-11	23,25377754
lipocalin 2	135,1477935	1,15E-14	7,84E-11	22,74738129
serum amyloid A 3	12,69866812	5,96E-14	3,06E-10	21,50895641
chemokine (C-X-C motif) ligand 2	40,15035306	8,75E-14	3,60E-10	21,20849533
formyl peptide receptor 2	13,28609139	3,73E-13	1,28E-09	20,03331566
interleukin 1 beta	9,577598018	6,10E-13	1,79E-09	19,62140532
caveolin 1, caveolae protein	8,784056721	1,03E-12	2,63E-09	19,18006008
S100 calcium binding protein A8 (calgranulin A)	8,260045702	3,68E-12	8,00E-09	18,0648812
secretory leukocyte peptidase inhibitor	10,28186615	4,04E-12	8,00E-09	17,98306196
G protein-coupled receptor 84	9,462765364	4,34E-12	8,00E-09	17,91850737
vanin 3	9,873770458	5,03E-12	8,00E-09	17,78643644
acid phosphatase, prostate	14,52879426	5,23E-12	8,00E-09	17,75252268
chemokine (C-X-C motif) ligand 5	42,6651476	5,45E-12	8,00E-09	17,71481309
orosomucoid 1	8,567674194	6,50E-12	8,63E-09	17,55650728
solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	8,66276061	6,96E-12	8,63E-09	17,49555432
pentraxin related gene	6,135368339	7,14E-12	8,63E-09	17,47266686
complement component 1, q subcomponent, C chain	0,13653181	7,73E-12	8,82E-09	17,40063567
interleukin 12a	11,57431483	8,18E-12	8,84E-09	17,34975414
interleukin 1 alpha	9,40419512	1,01E-11	1,02E-08	17,15770222
pro-platelet basic protein	8,98669363	1,08E-11	1,02E-08	17,10151129
immunoresponsive gene 1	6,120023011	1,15E-11	1,02E-08	17,04082211
tumor necrosis factor	7,897380501	1,22E-11	1,02E-08	16,98479883
chemokine (C-C motif) ligand 6	0,119961267	1,23E-11	1,02E-08	16,9810357
immunoresponsive gene 1	8,036136987	1,24E-11	1,02E-08	16,97027768
tumor necrosis factor	8,060259039	1,68E-11	1,29E-08	16,69623228
macrophage receptor with collagenous structure	16,04715478	1,70E-11	1,29E-08	16,68317457
C-type lectin domain family 4, member e	9,330254823	1,81E-11	1,32E-08	16,62761067
lymphocyte antigen 6 complex, locus C1	7,480602541	2,02E-11	1,43E-08	16,52587084
interleukin 1 alpha	9,805280995	2,09E-11	1,43E-08	16,49318607
nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta	6,190158544	2,29E-11	1,52E-08	16,40718895
pro-platelet basic protein	11,40469849	2,78E-11	1,78E-08	16,22888569
membrane-spanning 4-domains, subfamily A, member 6D	7,032013285	3,03E-11	1,88E-08	16,14986476
complement component 1, q subcomponent, beta polypeptide	0,169274428	3,16E-11	1,89E-08	16,10848465
potassium channel tetramerisation domain containing 1	9,251708115	3,22E-11	1,89E-08	16,09198939
hydroxysteroid 11-beta dehydrogenase 1	5,074226866	3,77E-11	2,15E-08	15,94507844
complement factor B	5,926791593	3,94E-11	2,16E-08	15,90486357
interleukin 6	10,80995476	4,08E-11	2,16E-08	15,87214559
suppressor of cytokine signaling 3	7,60480038	4,19E-11	2,16E-08	15,84706115
T cell-interacting, activating receptor on myeloid cells 1	7,596514139	4,25E-11	2,16E-08	15,83250021
growth arrest specific 6	0,190094767	4,31E-11	2,16E-08	15,82059975
DNA (cytosine-5-)-methyltransferase 3-like	5,77054562	4,52E-11	2,18E-08	15,7754381
vanin 3	10,89475027	4,55E-11	2,18E-08	15,76886917
acid phosphatase, prostate	9,395135867	4,68E-11	2,19E-08	15,74274847
signal transducing adaptor family member 1	4,97167757	5,46E-11	2,49E-08	15,59824718
chemokine (C-C motif) receptor 5	0,185472894	6,78E-11	3,03E-08	15,39545518
phospholipase A2, group IVF	5,095641502	7,59E-11	3,32E-08	15,28874486
sphingomyelin phosphodiesterase, acid-like 3B	4,407203779	1,07E-10	4,56E-08	14,96695083
alanyl (membrane) aminopeptidase	0,191999295	1,60E-10	6,64E-08	14,58112726
haptoglobin	5,54670691	1,62E-10	6,64E-08	14,57008954
phosphatidic acid phosphatase type 2A	6,128241238	2,07E-10	8,18E-08	14,33437902
apolipoprotein E	0,153260954	2,07E-10	8,18E-08	14,33232983
pentraxin related gene	7,205773948	2,12E-10	8,20E-08	14,30863794
formyl peptide receptor 1	7,923736502	2,16E-10	8,20E-08	14,29413623
leucine rich repeat containing 14B	0,132236441	2,47E-10	9,22E-08	14,16363791
wingless-related MMTV integration site 6	5,020831366	2,59E-10	9,49E-08	14,1193312
EGF-like module containing, mucin-like, hormone receptor-like sequence 1	5,111809001	2,80E-10	9,99E-08	14,0436671
DNA (cytosine-5-)-methyltransferase 3-like	5,245216189	2,82E-10	9,99E-08	14,03566382
haptoglobin	6,116319924	2,93E-10	1,02E-07	13,99765059
receptor (calcitonin) activity modifying protein 1	0,194725095	3,18E-10	1,09E-07	13,92108831
chemokine (C-C motif) ligand 3	5,393205518	3,51E-10	1,18E-07	13,8236818
G protein-coupled receptor 84	5,738654836	3,55E-10	1,18E-07	13,81246416
tissue inhibitor of metalloproteinase 2	0,223710058	4,48E-10	1,46E-07	13,58751741
EGF-like module containing, mucin-like, hormone receptor-like sequence 1	4,308122837	5,08E-10	1,61E-07	13,46598563
haptoglobin	6,562694353	5,08E-10	1,61E-07	13,46566972
paired immunoglobin-like type 2 receptor alpha	5,45147915	5,22E-10	1,61E-07	13,4391553
solute carrier family 46, member 3	0,26243123	5,26E-10	1,61E-07	13,43178273
C-type lectin domain family 4, member e	8,872305771	5,40E-10	1,63E-07	13,40656338
solute carrier family 6 (neurotransmitter transporter, glycine), member 9	4,995540096	5,75E-10	1,71E-07	13,34528632
endothelin receptor type B	5,883503163	6,18E-10	1,81E-07	13,27594238
acyl-CoA synthetase long-chain family member 1	5,697433405	7,24E-10	2,09E-07	13,12162114
diacylglycerol lipase, beta	0,211162708	7,86E-10	2,24E-07	13,04060935
insulin-like growth factor 1	0,256291507	8,54E-10	2,40E-07	12,96007146
Mediterranean fever	3,610141837	9,00E-10	2,50E-07	12,90818897
mannose receptor, C type 1	0,123130803	9,37E-10	2,57E-07	12,86944108
phospholipase D family, member 4	0,266430179	9,80E-10	2,65E-07	12,82571912
angiopoietin-like 4	0,159976957	1,12E-09	3,00E-07	12,69039304
interleukin-1 receptor-associated kinase 3	3,561288137	1,16E-09	3,05E-07	12,66214919

CD93 antigen	0,200873389	1,21E-09	3,13E-07	12,61566479
chemokine (C-C motif) receptor 5	0,209020948	1,22E-09	3,13E-07	12,61164394
CD28 antigen	0,269532991	1,24E-09	3,14E-07	12,59508465
peroxisome proliferator activated receptor gamma	0,18228124	1,62E-09	4,04E-07	12,32976064
chemokine (C-C motif) ligand 17	4,167212606	1,63E-09	4,04E-07	12,32375886
insulin-like growth factor 1	0,212404526	1,73E-09	4,23E-07	12,26798626
microfibrillar-associated protein 3-like	4,181446767	1,96E-09	4,74E-07	12,14271031
Epstein-Barr virus induced gene 3	3,066595952	2,33E-09	5,58E-07	11,97111859
G protein-coupled receptor 18	3,908985447	2,72E-09	6,42E-07	11,82034307
family with sequence similarity 198, member B	0,162332618	2,78E-09	6,42E-07	11,80000783
cyclin-dependent kinase inhibitor 1C (P57)	0,218459148	2,80E-09	6,42E-07	11,79057144
solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	4,40639652	2,81E-09	6,42E-07	11,78720682
membrane-spanning 4-domains, subfamily A, member 6D	4,568742993	2,86E-09	6,46E-07	11,76942388
linker for activation of T cells family, member 2	0,294566239	3,08E-09	6,87E-07	11,69818775
insulin-like growth factor 1	0,29009444	3,17E-09	7,00E-07	11,66835582
CD14 antigen	3,748252202	3,42E-09	7,47E-07	11,59341093
glutathione S-transferase, alpha 3	3,653904219	3,51E-09	7,60E-07	11,56593982
chemokine (C-C motif) receptor 5	0,219549213	3,56E-09	7,62E-07	11,55253771
paired immunoglobin-like type 2 receptor beta 1	4,147703911	3,63E-09	7,70E-07	11,53295533
synaptogyrin 1	0,2402496	3,77E-09	7,91E-07	11,49603581
thymidylate synthase	3,315081074	4,17E-09	8,66E-07	11,39509025
EGF-like module containing, mucin-like, hormone receptor-like sequence 1	5,036422633	4,68E-09	9,52E-07	11,28130006
myosin, light polypeptide kinase	3,319374096	4,68E-09	9,52E-07	11,28127693
hydroxysteroid 11-beta dehydrogenase 1	5,809569362	5,22E-09	1,05E-06	11,17271189
alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide	7,719916031	5,31E-09	1,05E-06	11,15616209
RIKEN cDNA 1810033B17 gene	3,121866975	5,32E-09	1,05E-06	11,15284487
interleukin 1 receptor, type II	3,443160655	5,38E-09	1,05E-06	11,14316575
synaptogyrin 1	0,206101569	5,41E-09	1,05E-06	11,13687785
zinc finger CCCH type containing 12A	3,462737158	5,52E-09	1,06E-06	11,11670023
spermatogenesis associated 13	3,092339285	5,60E-09	1,06E-06	11,1031118
transmembrane protein 154	0,264468389	6,85E-09	1,29E-06	10,90138392
cannabinoid receptor 2 (macrophage)	0,280428531	7,77E-09	1,45E-06	10,7758889
ankyrin repeat domain 37	9,514330679	7,94E-09	1,47E-06	10,75367321
hydroxysteroid 11-beta dehydrogenase 1	4,582997538	8,37E-09	1,54E-06	10,70082967
cannabinoid receptor 2 (macrophage)	0,334738867	8,96E-09	1,63E-06	10,63361412
linker for activation of T cells family, member 2	0,337688468	9,29E-09	1,67E-06	10,59743998
agrin	3,06977191	9,46E-09	1,69E-06	10,57892949
sushi domain containing 2	3,336198686	9,60E-09	1,70E-06	10,56380522
guanylate binding protein 2	3,140905556	1,05E-08	1,82E-06	10,47782426
spinster homolog 3 (Drosophila)	3,935513526	1,05E-08	1,82E-06	10,47536913
src-like adaptor	3,475691724	1,05E-08	1,82E-06	10,47067587
wingless-related MMTV integration site 6	5,387753175	1,12E-08	1,92E-06	10,40967316
adenosine monophosphate deaminase 3	3,533092393	1,15E-08	1,94E-06	10,38622906
serine (or cysteine) peptidase inhibitor, clade E, member 2	3,370968262	1,15E-08	1,94E-06	10,3801593
chemokine (C-C motif) ligand 9	0,339980368	1,20E-08	1,99E-06	10,34317803
Fc receptor, IgG, low affinity IV	0,345331088	1,20E-08	1,99E-06	10,33998145
microsomal glutathione S-transferase 2	3,743883751	1,24E-08	2,03E-06	10,30915011
HOP homeobox	3,066161847	1,30E-08	2,13E-06	10,25644295
cytochrome P450, family 1, subfamily b, polypeptide 1	3,662577508	1,36E-08	2,20E-06	10,21447921
dual specificity phosphatase 4	3,57753916	1,43E-08	2,30E-06	10,1613217
C-type lectin domain family 4, member a1	3,197732054	1,54E-08	2,45E-06	10,09022557
cyclin D2	4,214370438	1,56E-08	2,47E-06	10,07570836
uridine phosphorylase 1	4,016053306	1,63E-08	2,55E-06	10,03170433
RIKEN cDNA 1810011H11 gene	0,307365086	1,65E-08	2,55E-06	10,0192663
RIKEN cDNA 1810011H11 gene	0,234336279	1,65E-08	2,55E-06	10,01827943
selenoprotein P, plasma, 1	0,283031408	1,70E-08	2,58E-06	9,993101465
triggering receptor expressed on myeloid cells 3	7,566934897	1,70E-08	2,58E-06	9,992812052
solute carrier family 39 (zinc transporter), member 4	3,421386434	1,76E-08	2,65E-06	9,95756618
histidine ammonia lyase	0,351925742	1,83E-08	2,75E-06	9,914227976
phospholipase A2, group XV	0,359861446	1,86E-08	2,78E-06	9,897384591
CD70 antigen	2,821837191	1,93E-08	2,86E-06	9,861104249
pyridoxal (pyridoxine, vitamin B6) kinase	0,33415639	2,08E-08	3,06E-06	9,785297228
ISG15 ubiquitin-like modifier	3,832217275	2,11E-08	3,07E-06	9,772453296
Rho GTPase activating protein 25	0,393436348	2,12E-08	3,07E-06	9,76809879
glycoprotein (transmembrane) nmb	0,318690586	2,16E-08	3,11E-06	9,748058924
guanylate binding protein 2	3,46479355	2,19E-08	3,13E-06	9,734577318
kallikrein 1-related peptidase b11	0,176806998	2,34E-08	3,31E-06	9,669835714
superoxide dismutase 2, mitochondrial	2,948286821	2,37E-08	3,33E-06	9,656536371
vesicle amine transport protein 1 homolog (T californica)	0,379562594	2,40E-08	3,35E-06	9,644070388
ryanodine receptor 1, skeletal muscle	0,315094692	2,42E-08	3,35E-06	9,636131515
RIKEN cDNA 2010005H15 gene	3,217955525	2,46E-08	3,39E-06	9,617402526
glutathione S-transferase, mu 2	2,61224589	2,59E-08	3,54E-06	9,567240733
lymphoid-restricted membrane protein	0,3563108	2,75E-08	3,75E-06	9,504340545
zinc finger, DHHC domain containing 14	0,250807184	2,82E-08	3,82E-06	9,479382787
kallikrein 1-related peptidase b11	0,378451811	2,96E-08	3,98E-06	9,431230765
plasminogen activator, tissue	4,376808302	3,08E-08	4,10E-06	9,392665138
paired immunoglobin-like type 2 receptor alpha	4,037641914	3,27E-08	4,33E-06	9,330909064
guanylate binding protein 3	2,716946827	3,45E-08	4,52E-06	9,276043932
sulfide quinone reductase-like (yeast)	3,241665539	3,46E-08	4,52E-06	9,275255036
prostaglandin E synthase	2,699580503	3,99E-08	5,19E-06	9,130032863
phosphatidic acid phosphatase type 2A	4,331222471	4,21E-08	5,44E-06	9,075573179

ATP-binding cassette, sub-family B (MDR/TAP), member 4	5,598390245	4,29E-08	5,48E-06	9,056954338
small EDRK-rich factor 1	2,777832603	4,29E-08	5,48E-06	9,056290505
hematopoietic cell specific Lyn substrate 1	2,565026923	4,48E-08	5,68E-06	9,012636899
phospholipase C, beta 2	0,340594713	4,65E-08	5,86E-06	8,974468436
phosphotyrosine interaction domain containing 1	2,964889604	4,69E-08	5,87E-06	8,966550912
secreted phosphoprotein 1	0,312237375	4,79E-08	5,97E-06	8,944200962
LIM domain only 4	2,386601262	4,83E-08	5,97E-06	8,937463161
Ena-vasodilator stimulated phosphoprotein	0,323913044	5,00E-08	6,06E-06	8,901691166
monoglyceride lipase	0,298059944	5,02E-08	6,06E-06	8,896915859
troponin I, skeletal, fast 2	0,372992856	5,04E-08	6,06E-06	8,893789983
glutathione S-transferase, mu 2	2,337655465	5,04E-08	6,06E-06	8,892926647
acyl-CoA thioesterase 1	0,279469466	5,04E-08	6,06E-06	8,892772052
complement component 1, q subcomponent, alpha polypeptide	0,321473979	5,34E-08	6,36E-06	8,835181335
artemin	3,782320105	5,35E-08	6,36E-06	8,831912297
integrin beta 7	0,311229093	5,65E-08	6,67E-06	8,777789365
epithelial membrane protein 1	0,320889859	5,77E-08	6,78E-06	8,75559649
ADP-ribosylation factor-like 11	0,404495015	5,91E-08	6,90E-06	8,731661498
basic leucine zipper transcription factor, ATF-like	2,770738719	6,00E-08	6,97E-06	8,716095691
mannosidase 2, alpha B1	0,395272499	6,04E-08	6,97E-06	8,710645503
arylacetamide deacetylase-like 1	0,328887299	6,14E-08	7,05E-06	8,69271062
ATP-binding cassette, sub-family C (CFTR/MRP), member 4	2,485710126	6,91E-08	7,89E-06	8,573081124
sterol O-acyltransferase 1	0,406313967	6,96E-08	7,90E-06	8,566082047
toll-like receptor 2	2,957922306	7,08E-08	7,99E-06	8,548677836
pyrimidinergic receptor P2Y, G-protein coupled, 6	0,377107566	7,31E-08	8,18E-06	8,516667256
IQ motif containing GTPase activating protein 2	0,333250536	7,33E-08	8,18E-06	8,513453959
calreticulin 3	2,270838778	7,58E-08	8,41E-06	8,479797958
CD97 antigen	0,255616103	7,75E-08	8,56E-06	8,457275966
chemokine (C-C motif) ligand 7	0,378036066	7,84E-08	8,61E-06	8,445401489
serine (or cysteine) peptidase inhibitor, clade B, member 6a	0,413759725	8,53E-08	9,32E-06	8,359815083
solute carrier family 6 (neurotransmitter transporter, GABA), member 13	2,951710562	9,38E-08	1,02E-05	8,263171445
ras homolog gene family, member f	3,037965579	9,40E-08	1,02E-05	8,261113134
TBC1 domain family, member 2	0,345809933	9,61E-08	1,03E-05	8,238758893
Von Willebrand factor homolog	0,402115158	9,78E-08	1,05E-05	8,220764001
solute carrier family 4 (anion exchanger), member 8	0,392057138	9,99E-08	1,06E-05	8,199190053
deafness, autosomal dominant 5 (human)	3,026014732	1,05E-07	1,12E-05	8,144225735
RAS guanyl releasing protein 1	2,289588283	1,10E-07	1,16E-05	8,097983639
megakaryocyte-associated tyrosine kinase	0,333705979	1,14E-07	1,20E-05	8,063574122
platelet factor 4	2,542664064	1,21E-07	1,26E-05	8,006447442
lamin A	0,396198882	1,27E-07	1,32E-05	7,953940116
RIKEN cDNA 5730528L13 gene	2,540212466	1,32E-07	1,36E-05	7,919079715
CD40 antigen	2,292073122	1,33E-07	1,36E-05	7,909133226
solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	2,646790864	1,39E-07	1,42E-05	7,862101655
cell division cycle associated 7 like	0,394745044	1,40E-07	1,43E-05	7,852744442
cytohesin 4	0,436302401	1,47E-07	1,49E-05	7,803570117
hexokinase 3	0,350081334	1,58E-07	1,59E-05	7,729904178
cyclin-dependent kinase 20	0,418994518	1,61E-07	1,61E-05	7,712760497
endothelin receptor type B	3,00109201	1,70E-07	1,70E-05	7,656048376
cyclin-dependent kinase 20	0,449955652	1,79E-07	1,78E-05	7,602696073
CD86 antigen	2,290769364	1,98E-07	1,96E-05	7,502208701
protein tyrosine phosphatase, non-receptor type 1	3,209342414	2,03E-07	1,99E-05	7,477414104
glutathione S-transferase, mu 2	2,472083941	2,07E-07	2,02E-05	7,458401254
NAD(P)H dehydrogenase, quinone 1	2,896923987	2,32E-07	2,25E-05	7,342021324
glutathione S-transferase, mu 1	2,239739187	2,34E-07	2,27E-05	7,332620482
predicted gene 5483	2,785454002	2,36E-07	2,27E-05	7,323299978
artemin	3,198896709	2,36E-07	2,27E-05	7,320977185
CD86 antigen	2,392952706	2,42E-07	2,31E-05	7,299066566
solute carrier organic anion transporter family, member 3a1	2,636755461	2,43E-07	2,31E-05	7,293282439
growth arrest and DNA-damage-inducible 45 alpha	0,428429811	2,43E-07	2,31E-05	7,290856005
ectonucleotide pyrophosphatase/phosphodiesterase 2	2,681289618	2,52E-07	2,37E-05	7,2564558
family with sequence similarity 102, member B	3,319802933	2,60E-07	2,44E-05	7,224119794
paired immunoglobin-like type 2 receptor alpha	4,771195873	2,65E-07	2,48E-05	7,203739472
aldo-keto reductase family 1, member B8	2,939497082	2,83E-07	2,63E-05	7,138784574
solute carrier family 29 (nucleoside transporters), member 3	0,426769186	2,98E-07	2,75E-05	7,08449139
two pore segment channel 2	0,397091529	2,99E-07	2,75E-05	7,082176315
DNA segment, Chr 16, ERATO Doi 472, expressed	2,458869422	3,03E-07	2,78E-05	7,066566727
membrane-spanning 4-domains, subfamily A, member 7	2,195561158	3,32E-07	3,03E-05	6,975341322
microfibrillar-associated protein 3-like	3,348990364	3,37E-07	3,07E-05	6,957455913
matrix metallopeptidase 2	4,231997504	3,39E-07	3,07E-05	6,951875218
monoglyceride lipase	0,317854596	3,48E-07	3,13E-05	6,925163186
CD40 antigen	2,289080766	3,50E-07	3,13E-05	6,921112656
kallikrein 1-related peptidase b27	0,349119775	3,51E-07	3,13E-05	6,917782466
killer cell lectin-like receptor, subfamily A, member 3	0,475826203	3,63E-07	3,23E-05	6,883618305
RAB11 family interacting protein 5 (class I)	0,4232841	3,72E-07	3,29E-05	6,85836
glutaredoxin	2,110331482	3,81E-07	3,36E-05	6,833245568
glutathione peroxidase 3	0,351359384	3,91E-07	3,43E-05	6,807820644
RIKEN cDNA 5730469M10 gene	0,461375278	4,05E-07	3,54E-05	6,771552029
mannosidase 2, alpha B1	0,465353935	4,11E-07	3,58E-05	6,755594196
pleckstrin homology-like domain, family A, member 1	3,489669362	4,17E-07	3,62E-05	6,74009304
legumain	0,452514301	4,30E-07	3,71E-05	6,708873922
low density lipoprotein-related protein 12	0,478378698	4,35E-07	3,74E-05	6,698746475
transforming growth factor, beta receptor II	0,445273517	4,46E-07	3,81E-05	6,671587588

fibrinogen-like protein 2	3,393487464	4,47E-07	3,81E-05	6,670271234
adrenergic receptor, alpha 2a	2,678989543	4,54E-07	3,85E-05	6,653763684
CD97 antigen	0,255717431	4,65E-07	3,93E-05	6,630266543
annexin A1	0,353684924	4,71E-07	3,96E-05	6,616751172
protein tyrosine phosphatase-like A domain containing 1	2,101997477	4,86E-07	4,07E-05	6,584709898
interferon induced transmembrane protein 1	2,107276072	4,91E-07	4,10E-05	6,574453043
neuropeptide Y	0,421778498	5,47E-07	4,53E-05	6,462808312
triggering receptor expressed on myeloid cells 2	0,298130433	5,47E-07	4,53E-05	6,462196314
protein kinase, cAMP dependent regulatory, type II beta	2,409021235	5,50E-07	4,53E-05	6,458139884
predicted gene 7120	0,434355702	5,52E-07	4,54E-05	6,454005622
MICAL-like 2	2,553907729	5,74E-07	4,70E-05	6,413033698
Rho GTPase activating protein 24	0,451863469	6,05E-07	4,93E-05	6,35961335
Fc receptor, IgG, low affinity III	0,337147735	6,10E-07	4,93E-05	6,351532429
guanylate binding protein 3	2,731051855	6,13E-07	4,93E-05	6,346532276
epidermal growth factor receptor pathway substrate 8	0,493940536	6,13E-07	4,93E-05	6,346078036
expressed sequence C77080	0,400478141	6,15E-07	4,93E-05	6,343493939
keratin 17	3,217626602	6,19E-07	4,95E-05	6,335837975
thymidylate synthase, pseudogene	2,61966928	6,23E-07	4,96E-05	6,329406964
coagulation factor V	2,163050358	6,26E-07	4,96E-05	6,32528218
creatine kinase, brain	0,406554126	6,40E-07	5,06E-05	6,302575243
CD40 antigen	2,100873966	6,60E-07	5,20E-05	6,270014046
receptor (TNFRSF)-interacting serine-threonine kinase 2	2,16354368	6,71E-07	5,27E-05	6,253034911
EF-hand calcium binding domain 4A	0,415668804	6,74E-07	5,27E-05	6,249062106
CD93 antigen	0,312835701	6,89E-07	5,36E-05	6,226805052
filamin binding LIM protein 1	0,401187024	6,95E-07	5,39E-05	6,217556313
expressed sequence AI607873	0,427461603	7,08E-07	5,46E-05	6,198167096
B and T lymphocyte associated	3,137698392	7,09E-07	5,46E-05	6,196577554
AXL receptor tyrosine kinase	0,469568626	7,20E-07	5,52E-05	6,180852433
RIKEN cDNA A130040M12 gene	2,952804038	7,27E-07	5,55E-05	6,171184638
myosin, light polypeptide 9, regulatory	0,456757202	7,38E-07	5,61E-05	6,15650196
tetraspanin 14	0,450007079	7,54E-07	5,72E-05	6,13376222
ubiquitin carboxy-terminal hydrolase L1	2,326893285	7,60E-07	5,74E-05	6,126082759
CD200 antigen	2,186934131	7,74E-07	5,82E-05	6,107623209
FXYD domain-containing ion transport regulator 5	0,477958376	7,93E-07	5,94E-05	6,082769881
phospholipid transfer protein	0,42596035	8,15E-07	6,09E-05	6,054625497
elastin microfibril interfacer 2	0,456017237	8,30E-07	6,18E-05	6,036050686
RAS p21 protein activator 3	0,47450563	8,66E-07	6,42E-05	5,992643646
FK506 binding protein 11	0,463115669	8,68E-07	6,42E-05	5,989322094
interleukin 11 receptor, alpha chain 1	0,463281147	8,77E-07	6,45E-05	5,979705008
protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alph	3,750769216	1,01E-06	7,38E-05	5,837228057
actin, gamma 2, smooth muscle, enteric	0,393274034	1,01E-06	7,38E-05	5,835564351
glycoprotein 6 (platelet)	2,986779491	1,04E-06	7,55E-05	5,808505208
diacylglycerol O-acyltransferase 2	2,313533788	1,07E-06	7,77E-05	5,775059333
phospholipase D family, member 3	0,466205808	1,10E-06	7,97E-05	5,744045302
megakaryocyte-associated tyrosine kinase	0,333746094	1,11E-06	7,97E-05	5,74097435
ankyrin repeat and SOCS box-containing 2	0,422316303	1,15E-06	8,26E-05	5,700782126
solute carrier family 40 (iron-regulated transporter), member 1	0,494217384	1,20E-06	8,60E-05	5,656508936
G protein-coupled receptor 155	2,809227796	1,28E-06	9,16E-05	5,588327141
triggering receptor expressed on myeloid cells-like 4	2,431451571	1,31E-06	9,28E-05	5,57085655
heme oxygenase (decycling) 1	2,365814388	1,31E-06	9,29E-05	5,566275948
potassium channel tetramerisation domain containing 14	2,120028536	1,32E-06	9,30E-05	5,561548415
triggering receptor expressed on myeloid cells-like 4	2,627816489	1,33E-06	9,35E-05	5,553009169
CD69 antigen	2,311423927	1,35E-06	9,45E-05	5,534654013
RAB10, member RAS oncogene family	2,466785166	1,38E-06	9,57E-05	5,514404272
lamin A	0,454528075	1,40E-06	9,67E-05	5,500307557
cytochrome P450, family 27, subfamily a, polypeptide 1	0,479070986	1,40E-06	9,68E-05	5,496643836
Ras association (RalGDS/AF-6) domain family member 4	2,540881183	1,44E-06	9,83E-05	5,473325425
solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	2,438232307	1,48E-06	0,000100757	5,444764371
Ras association (RalGDS/AF-6) domain family member 4	2,338727834	1,50E-06	0,000101675	5,428825758
solute carrier family 31, member 2	2,221313667	1,50E-06	0,000101675	5,42864754
cyclin D2	3,625199817	1,51E-06	0,000101821	5,423789129
putative transposase element L1Md-A101/L1Md-A102/L1Md-A2-like	0,40891018	1,53E-06	0,000103221	5,406393037
solute carrier family 32 (GABA vesicular transporter), member 1	2,726177969	1,58E-06	0,000106392	5,371945917
potassium channel tetramerisation domain containing 12	0,495716196	1,63E-06	0,000109339	5,340533562
matrix metallopeptidase 9	2,328395527	1,69E-06	0,000112191	5,307410231
RAB11 family interacting protein 5 (class I)	0,471125351	1,73E-06	0,000114486	5,28328061
testis expressed gene 14	2,084478393	1,75E-06	0,000115832	5,267964949
tumor necrosis factor receptor superfamily, member 12a	0,497978856	1,81E-06	0,000119201	5,235215509
major facilitator superfamily domain containing 7A	2,4047834	1,85E-06	0,000120936	5,215327106
solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 2	0,432412451	1,85E-06	0,000120936	5,213799883
sphingomyelin phosphodiesterase, acid-like 3A	0,448706429	1,92E-06	0,000124885	5,174777429
RIKEN cDNA 5430435G22 gene	0,425922386	1,92E-06	0,000124885	5,174258918
hypothetical LOC100503337	2,053728729	1,93E-06	0,00012531	5,167523268
RIKEN cDNA D330045A20 gene	2,165513429	1,96E-06	0,000125793	5,154466869
cathepsin L	0,446535116	1,96E-06	0,000125793	5,153470829
toll-like receptor 1	2,312315962	1,96E-06	0,000125793	5,152412567
toll-like receptor 4	0,45848201	1,97E-06	0,000125793	5,150683623
syndecan 3	0,468336162	2,01E-06	0,000128347	5,126831469
low density lipoprotein-related protein 12	0,469653742	2,06E-06	0,000130343	5,104878318
biglycan	0,430165617	2,06E-06	0,000130343	5,104608421
killer cell lectin-like receptor, subfamily A, member 17	0,421342462	2,14E-06	0,000134202	5,065149614

CD97 antigen	0,306825691	2,15E-06	0,00013436	5,060801241
solute carrier family 37 (glycerol-3-phosphate transporter), member 2	0,47980744	2,16E-06	0,000134843	5,053979483
serine (or cysteine) peptidase inhibitor, clade B (ovalbumin), member 12	2,110924437	2,18E-06	0,000135491	5,042949209
C2 calcium-dependent domain containing 4B	2,252658067	2,18E-06	0,000135491	5,042828144
lamin A	0,479744829	2,22E-06	0,000137575	5,024037568
guanylate binding protein 5	3,294651452	2,33E-06	0,000143568	4,976697935
tumor necrosis factor, alpha-induced protein 8-like 2	0,490105244	2,33E-06	0,000143568	4,974034454
RAD54 like (S. cerevisiae)	0,436151032	2,36E-06	0,000144701	4,96168982
RIKEN cDNA 1100001G20 gene	2,505530981	2,39E-06	0,000145921	4,94812956
UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 9	0,449364986	2,57E-06	0,000156043	4,876134674
acid phosphatase, prostate	2,207913554	2,60E-06	0,000157655	4,862529298
matrix metallopeptidase 14 (membrane-inserted)	2,240519914	2,65E-06	0,000160049	4,844009167
low density lipoprotein receptor-related protein 8, apolipoprotein e receptor	2,211922827	2,74E-06	0,000164191	4,80798186
synuclein, alpha	3,192500254	2,75E-06	0,000164191	4,805713386
solute carrier family 45, member 4	0,396761937	2,81E-06	0,000167486	4,782297696
uridine phosphorylase 1	2,183344948	2,82E-06	0,000167667	4,778206622
complement component 3	2,125127161	2,87E-06	0,00016972	4,762730249
leupaxin	0,458973315	2,90E-06	0,000170856	4,749959622
SAM and SH3 domain containing 3	0,484569303	2,94E-06	0,0001725	4,737169355
E2F transcription factor 2	0,458842239	3,06E-06	0,000178953	4,696465176
GM2 ganglioside activator protein	0,436747286	3,21E-06	0,00018686	4,646156883
inhibin beta-A	2,234099847	3,34E-06	0,000193944	4,60497765
RAS protein activator like 3	0,48620405	3,41E-06	0,000196215	4,584575167
suppression of tumorigenicity 7	2,239109399	3,41E-06	0,000196215	4,58364141
fibronectin 1	0,494988454	3,42E-06	0,000196215	4,581448578
RIKEN cDNA D330045A20 gene	2,467953511	3,43E-06	0,000196439	4,577407231
thioredoxin interacting protein	0,438906642	3,55E-06	0,000202392	4,543836847
heat-responsive protein 12	2,276155866	3,57E-06	0,000203251	4,536629459
integrin beta 5	0,482652899	3,61E-06	0,000205064	4,524649226
archaelysin family metallopeptidase 1	0,439888595	3,65E-06	0,000206662	4,513823842
HtrA serine peptidase 1	2,162980115	3,81E-06	0,000214312	4,469567499
killer cell lectin-like receptor subfamily B member 1B	2,065239944	3,82E-06	0,000214312	4,467968467
RIKEN cDNA 9030425E11 gene	2,87442676	3,83E-06	0,000214591	4,463823626
interleukin 10	3,266769	3,90E-06	0,000216444	4,446603328
membrane bound O-acyltransferase domain containing 1	0,388492694	4,14E-06	0,0002285	4,385294086
glutathione S-transferase, mu 1	2,210986846	4,24E-06	0,000233385	4,360769746
filamin, beta	2,365414411	4,28E-06	0,000234503	4,350106506
CD1d1 antigen	2,183144698	4,29E-06	0,000234503	4,34860452
mucolipin 2	2,24179648	4,29E-06	0,000234503	4,34761241
SLAM family member 8	0,443836795	4,33E-06	0,00023584	4,339030572
heat-responsive protein 12	2,019280738	4,57E-06	0,000248344	4,282266478
RIKEN cDNA 1190002H23 gene	2,169837874	4,58E-06	0,000248344	4,280435344
dipeptidase 2	0,44303095	4,79E-06	0,00025817	4,235091097
lectin, galactose binding, soluble 1	0,499817074	4,82E-06	0,000259156	4,228473505
family with sequence similarity 181, member B	2,08996213	4,91E-06	0,000263476	4,208771302
orosomucoid 2	2,228613883	5,02E-06	0,000268098	4,185521021
poliovirus receptor	2,324524307	5,44E-06	0,000289399	4,104178763
RIKEN cDNA 5031439G07 gene	0,463144555	5,70E-06	0,000302743	4,055127057
glycoprotein (transmembrane) nmb	0,379627798	5,76E-06	0,000305113	4,044446472
serine (or cysteine) peptidase inhibitor, clade B (ovalbumin), member 12	2,502688069	5,85E-06	0,000308695	4,029163973
interferon induced transmembrane protein 1	2,893886537	5,86E-06	0,000308695	4,027144925
galanin	2,394803226	5,90E-06	0,000310056	4,019981719
perilipin 2	0,38913624	6,01E-06	0,000314725	4,001971399
MAM domain containing 2	0,445946652	6,15E-06	0,000321414	3,977704468
thromboxane A synthase 1, platelet	0,476176695	6,34E-06	0,000330343	3,946889264
glycoprotein (transmembrane) nmb	0,442265016	6,47E-06	0,000336033	3,925435935
growth arrest and DNA-damage-inducible 45 alpha	0,413227852	6,48E-06	0,000336033	3,924101172
Fc receptor-like S, scavenger receptor	0,499130871	6,50E-06	0,000336404	3,920369902
LIM domain only 2	0,44983858	6,63E-06	0,000342063	3,900611608
CD84 antigen	0,439009988	6,86E-06	0,00035148	3,865238521
protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alph	2,150905154	7,02E-06	0,000358615	3,841684752
leukemia inhibitory factor	2,273689862	7,76E-06	0,000386978	3,738050717
heme binding protein 1	0,45293244	7,80E-06	0,000387127	3,732669271
ADAMTS-like 5	0,454667588	7,94E-06	0,000392613	3,71485419
peroxiredoxin 5	2,138797857	7,98E-06	0,000392613	3,709262902
thrombospondin 1	2,270482106	8,27E-06	0,00040558	3,672384436
2'-5' oligoadenylate synthetase-like 1	2,552219824	8,32E-06	0,000407089	3,666108001
cytochrome P450, family 4, subfamily f, polypeptide 18	0,369916167	8,35E-06	0,000407239	3,663280457
cyclin D1	0,408377313	8,72E-06	0,000422184	3,618489637
malic enzyme 1, NADP(+)-dependent, cytosolic	2,167761139	8,83E-06	0,000425591	3,605412726
peroxiredoxin 1	2,557104969	8,85E-06	0,000425591	3,603344166
t-complex protein 1	2,474576159	9,24E-06	0,00044359	3,558299996
pleckstrin	2,330003184	9,30E-06	0,00044541	3,551681351
potassium channel tetramerisation domain containing 14	3,037473854	9,34E-06	0,000446133	3,547615769
syndecan binding protein (syntenin) 2	2,230045667	9,44E-06	0,000449783	3,536838728
nebulin-related anchoring protein	0,462694898	9,76E-06	0,000457923	3,502194045
MICAL-like 2	2,08250068	9,79E-06	0,000457923	3,49944615
plexin B2	0,469767445	1,05E-05	0,000486169	3,428496987
connective tissue growth factor	0,471949008	1,07E-05	0,000495726	3,403821773
CD300 molecule-like family member d	0,447975127	1,09E-05	0,000499934	3,392810045
cytochrome P450, family 4, subfamily f, polypeptide 18	0,402347214	1,12E-05	0,000511982	3,357881233

insulin-like growth factor 2 receptor	0,463522598	1,13E-05	0,000511982	3,354543613
mcf.2 transforming sequence-like	0,497669449	1,14E-05	0,000517106	3,342017111
monoglyceride lipase	0,393293822	1,15E-05	0,000518174	3,3358294
chemokine (C-C motif) ligand 7	0,463930856	1,15E-05	0,000518174	3,333100513
thioredoxin interacting protein	0,449642424	1,15E-05	0,000519139	3,328929764
bone marrow stromal cell antigen 1	2,592235755	1,17E-05	0,000523591	3,315645608
RIKEN cDNA 9130230L23 gene	2,031223706	1,19E-05	0,000529836	3,295388419
solute carrier family 15, member 3	2,121038084	1,19E-05	0,000529836	3,294030443
G protein-coupled receptor 137B	0,478961641	1,20E-05	0,000529836	3,292288466
G protein-coupled receptor 120	0,481541784	1,22E-05	0,000539268	3,269697395
leukotriene B4 receptor 1	2,27145437	1,24E-05	0,000542745	3,258673943
ATPase, H+ transporting, lysosomal V0 subunit A1	0,485387875	1,25E-05	0,000545172	3,250174276
RIKEN cDNA 5730469M10 gene	0,479415928	1,27E-05	0,000551918	3,234845777
family with sequence similarity 102, member B	2,42420049	1,36E-05	0,000591603	3,156837577
heat-responsive protein 12	2,141322537	1,40E-05	0,000603583	3,134032041
Wolfram syndrome 1 homolog (human)	0,498518019	1,41E-05	0,000610694	3,119812424
ladinin	2,068521055	1,44E-05	0,000620489	3,101273474
cytochrome P450, family 27, subfamily a, polypeptide 1	0,485023993	1,46E-05	0,000627559	3,087457049
adenylate kinase 8	0,48319487	1,49E-05	0,000634891	3,069060567
elastin microfibril interfacer 2	0,47516322	1,50E-05	0,000638907	3,05829907
cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)	0,486790047	1,52E-05	0,000643171	3,047200098
chemokine (C-C motif) ligand 4	2,007054917	1,59E-05	0,000667202	3,000718141
zinc finger, RAN-binding domain containing 3	0,453665537	1,86E-05	0,000756377	2,841097074
myosin, light polypeptide kinase	2,05682497	2,35E-05	0,000931707	2,598460924
FBJ osteosarcoma oncogene	0,488641889	2,36E-05	0,000933092	2,594531316
phospholipase D family, member 3	0,461071875	2,49E-05	0,000978591	2,539613004
Sp140 nuclear body protein	2,031909666	2,52E-05	0,00098664	2,525507542
collagen, type VI, alpha 3	0,444582937	2,52E-05	0,00098664	2,525287699
acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A thiolase)	0,459937077	2,56E-05	0,000998927	2,510596259
cytochrome P450, family 27, subfamily a, polypeptide 1	0,420779616	2,57E-05	0,00100064	2,506878846
solute carrier family 25, member 37	2,23404511	2,60E-05	0,00101009	2,491887726
lipoma HMGIC fusion partner-like 2	0,496855026	2,61E-05	0,00101009	2,489988476
poliovirus receptor	2,155431557	2,68E-05	0,001030502	2,461686565
dipeptidase 2	0,456618067	2,70E-05	0,001033541	2,455958494
calreticulin 3	2,11673416	2,70E-05	0,001033541	2,45425493
proteasome (prosome, macropain) 26S subunit, non-ATPase, 11	2,057529155	3,01E-05	0,001131748	2,34377287
protein kinase domain containing, cytoplasmic	0,499987224	3,14E-05	0,001172249	2,300095716
CD180 antigen	0,473580739	3,24E-05	0,001202169	2,26857526
protein C receptor, endothelial	2,412244287	3,32E-05	0,001222414	2,243396152
two pore channel 1	0,467617242	3,35E-05	0,001229759	2,232298287
POU domain, class 2, transcription factor 2	2,07918981	3,47E-05	0,001263193	2,19738889
DTW domain containing 1	2,071175331	3,56E-05	0,00128911	2,171044742
progressive ankylosis	0,494986059	3,62E-05	0,00130644	2,153690048
lymphocyte cytosolic protein 2	2,116795018	3,63E-05	0,001309911	2,149155941
latent transforming growth factor beta binding protein 3	0,489660272	3,68E-05	0,001325034	2,135548239
purine-nucleoside phosphorylase 2	2,393273665	3,80E-05	0,001356533	2,10242192
glutathione S-transferase, mu 6	2,177325173	3,84E-05	0,001362685	2,092426413
glutathione synthetase	2,183956344	3,86E-05	0,001367687	2,086884
dystonin	2,189644653	3,94E-05	0,001387781	2,06658108
eosinophil-associated, ribonuclease A family, member 2	0,452832289	4,08E-05	0,001429897	2,030562825
ras homolog gene family, member D	2,095387379	4,25E-05	0,001477342	1,988264713
isopentenyl-diphosphate delta isomerase	2,328118925	4,29E-05	0,001478628	1,979797098
family with sequence similarity 117, memberA	0,473223213	4,34E-05	0,001490848	1,966802102
myosin VIIA	0,470616882	4,46E-05	0,001519503	1,938669195
alanine-glyoxylate aminotransferase 2-like 2	2,138936665	4,91E-05	0,001645871	1,839640884
chemokine (C-C motif) ligand 4	2,024683082	5,69E-05	0,00185061	1,68777518
Fanconi anemia, complementation group D2	0,491514518	5,86E-05	0,001891284	1,657339237
connective tissue growth factor	0,491278882	5,97E-05	0,001920685	1,638268322
C-type lectin domain family 7, member a	0,437471916	6,55E-05	0,002079502	1,543868577
membrane-spanning 4-domains, subfamily A, member 7	2,502606629	6,77E-05	0,002131432	1,509050888
ras homolog gene family, member J	0,471555475	7,82E-05	0,002437071	1,362043647
proline-serine-threonine phosphatase-interacting protein 2	2,303054104	7,84E-05	0,0024406	1,359001131
poliovirus receptor	2,107168745	8,07E-05	0,002502784	1,328854054
SKI-like	2,239000853	8,42E-05	0,002582907	1,285380888
nicotinamide phosphoribosyltransferase	2,29221156	8,59E-05	0,002618304	1,265298598
eosinophil-associated, ribonuclease A family, member 2	0,455420718	9,16E-05	0,002750383	1,199669727
RIKEN cDNA 6330409N04 gene	2,050401108	0,000106954	0,003138936	1,040358464
calcium/calmodulin-dependent protein kinase I	0,495594363	0,000141873	0,003875841	0,75067286
RIKEN cDNA 2400003C14 gene	2,267948756	0,000153593	0,004119336	0,669341972
cyclin D1	0,495627255	0,000155036	0,004147218	0,659759748
low density lipoprotein receptor adaptor protein 1	0,49099903	0,000162019	0,004278288	0,614634805
c-mer proto-oncogene tyrosine kinase	0,471337705	0,000171391	0,004474017	0,557041186
heparanase	0,490040295	0,000221358	0,005420245	0,295198945
potassium channel tetramerisation domain containing 14	2,353577137	0,000244745	0,005826227	0,192491514
family with sequence similarity 83, member F	0,466487758	0,000264819	0,006219324	0,111911561
fibronectin leucine rich transmembrane protein 2	0,483226123	0,000381822	0,008213779	-0,26169032
serglycin	2,156239146	0,000386873	0,008305028	-0,27509243
phosphatidic acid phosphatase type 2A	2,452023691	0,000530208	0,01062693	-0,59622602
leucine rich repeat containing 59	2,056727291	0,000751448	0,013907883	-0,95075327
vacuolar protein sorting 26 homolog B (yeast)	2,045477668	0,001043545	0,017615928	-1,28371232
versican	2,004574782	0,001086934	0,018213688	-1,32495379

Panel 2: C1783Genes differentially regulated (fold-change > 2; FDR (false discovery rate) < 0.05) in murine DCs infected with *Aggregatibacter actinomycetemcomitans* versus untreated controls.

Name	FC	P.Value	adj.P.Val	B
chemokine (C-X-C motif) ligand 1	54,99041988	1,92E-16	3,94E-12	27,16464982
ectonucleotide pyrophosphatase/phosphodiesterase 2	80,87383854	5,90E-16	5,74E-12	26,28115643
chemokine (C-X-C motif) ligand 2	63,82209088	8,38E-16	5,74E-12	25,99730148
serum amyloid A 3	16,17195373	1,21E-14	4,37E-11	23,73097484
interleukin 1 beta	18,1587914	1,48E-14	4,37E-11	23,55244281
inhibin beta-A	32,32379524	1,81E-14	4,37E-11	23,37087001
ISG15 ubiquitin-like modifier	43,84935291	1,87E-14	4,37E-11	23,34186195
interleukin 1 alpha	32,4471597	1,94E-14	4,37E-11	23,30970028
chemokine (C-X-C motif) ligand 2	54,4747682	2,07E-14	4,37E-11	23,25136958
cholesterol 25-hydroxylase	0,066992667	2,13E-14	4,37E-11	23,22632447
solute carrier family 46, member 3	0,06280569	2,36E-14	4,41E-11	23,13429425
lipocalin 2	87,70463759	2,73E-14	4,68E-11	23,00231167
interferon activated gene 205	27,46788659	3,94E-14	6,23E-11	22,67139468
Epstein-Barr virus induced gene 3	11,98629784	4,44E-14	6,51E-11	22,56260943
HOP homeobox	16,2224076	5,88E-14	7,50E-11	22,30551416
interleukin 1 alpha	31,31125632	5,98E-14	7,50E-11	22,29029257
tumor necrosis factor	19,63026656	6,45E-14	7,50E-11	22,22178828
interferon activated gene 205	15,11005919	6,57E-14	7,50E-11	22,20379821
phospholipase D family, member 4	0,07065966	6,95E-14	7,51E-11	22,1525515
suppressor of cytokine signaling 3	23,85967372	7,52E-14	7,72E-11	22,08046198
nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta	14,97898451	8,15E-14	7,97E-11	22,00621202
cyclin D2	33,38187483	9,29E-14	8,67E-11	21,88506802
interleukin 1 receptor, type II	15,44252419	1,09E-13	9,59E-11	21,73650347
tumor necrosis factor	19,20140675	1,12E-13	9,59E-11	21,71162899
complement component 1, q subcomponent, beta polypeptide	0,072817326	1,24E-13	1,02E-10	21,61936294
interleukin 23, alpha subunit p19	18,75027799	1,33E-13	1,05E-10	21,55297939
complement component 1, q subcomponent, C chain	0,074712868	1,56E-13	1,19E-10	21,4008465
solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	15,92518481	1,74E-13	1,28E-10	21,29869418
epoxide hydrolase 1, microsomal	0,098777017	2,01E-13	1,43E-10	21,16435726
tumor necrosis factor (ligand) superfamily, member 15	9,620017138	2,11E-13	1,45E-10	21,1184631
chemokine (C-C motif) ligand 6	0,062176554	2,32E-13	1,46E-10	21,03049175
interleukin 6	30,39723147	2,33E-13	1,46E-10	21,02712346
FK506 binding protein 11	0,086841821	2,35E-13	1,46E-10	21,0205091
C2 calcium-dependent domain containing 4B	15,50323831	3,04E-13	1,83E-10	20,77702094
phospholipase A1 member A	11,83153107	3,54E-13	2,03E-10	20,63108422
interleukin 12a	20,34421857	3,57E-13	2,03E-10	20,62506492
myosin, light polypeptide kinase	10,97237404	3,76E-13	2,09E-10	20,57390756
CD70 antigen	9,879396388	4,43E-13	2,36E-10	20,41854256
agrin	10,33561921	4,52E-13	2,36E-10	20,4005717
histidine decarboxylase	27,15001176	4,59E-13	2,36E-10	20,38606952
prostaglandin E synthase	9,708777858	5,99E-13	3,00E-10	20,13195698
orosomucoid 1	11,82398018	6,99E-13	3,42E-10	19,98408597
chemokine (C-C motif) ligand 4	13,97286513	7,46E-13	3,56E-10	19,92139498
phospholipase A1 member A	8,934841467	1,00E-12	4,62E-10	19,63870919
complement factor B	9,785982742	1,01E-12	4,62E-10	19,62790281
lysosomal acid lipase A	0,116731139	1,04E-12	4,64E-10	19,6028027
RIKEN cDNA 2010005H15 gene	11,42397886	1,24E-12	5,27E-10	19,42910414
ectonucleotide pyrophosphatase/phosphodiesterase 2	12,17497568	1,25E-12	5,27E-10	19,42460102
docking protein 2	0,122179135	1,26E-12	5,27E-10	19,41911594
XIAP associated factor 1	9,317350091	1,29E-12	5,30E-10	19,39296969
sterol O-acyltransferase 1	0,130918749	1,32E-12	5,31E-10	19,37221446
interleukin 10	42,53344936	1,42E-12	5,51E-10	19,30312195
CD86 antigen	7,604556019	1,42E-12	5,51E-10	19,30038477
vanin 3	11,51604223	1,46E-12	5,57E-10	19,27136724
testis expressed gene 14	8,603506895	1,55E-12	5,80E-10	19,21348903
CD86 antigen	8,615786346	1,59E-12	5,82E-10	19,19396068
CD69 antigen	10,73251087	1,80E-12	6,49E-10	19,07008174
CD80 antigen	7,436670443	1,85E-12	6,56E-10	19,04231809
early growth response 2	0,13070955	1,92E-12	6,67E-10	19,00976768
pentraxin related gene	6,978897302	1,98E-12	6,79E-10	18,9768377
solute carrier family 4 (anion exchanger), member 8	0,12329718	2,23E-12	7,50E-10	18,86130188
insulin-like growth factor 1	0,123061355	2,26E-12	7,50E-10	18,84841584
chemokine (C-C motif) ligand 4	16,08021483	2,34E-12	7,62E-10	18,81619288
chemokine (C-C motif) receptor 5	0,122626111	2,57E-12	8,26E-10	18,72269175
G protein-coupled receptor 84	9,411723261	3,10E-12	9,69E-10	18,54118224
C-type lectin domain family 4, member e	11,94272233	3,11E-12	9,69E-10	18,53699165
linker for activation of T cells family, member 2	0,13490913	3,38E-12	1,03E-09	18,4575317
niacin receptor 1	7,888472989	3,93E-12	1,19E-09	18,30729814
ADP-ribosylation factor-like 11	0,157258241	4,15E-12	1,24E-09	18,25444213
N-myc downstream regulated gene 1	6,623836024	4,47E-12	1,31E-09	18,18272754
cyclin D2	30,94130465	4,60E-12	1,33E-09	18,15361593
CD97 antigen	0,06110347	5,38E-12	1,52E-09	17,99958306
serine (or cysteine) peptidase inhibitor, clade E, member 2	8,453550887	5,39E-12	1,52E-09	17,99784019
secretory leukocyte peptidase inhibitor	9,083502132	5,77E-12	1,60E-09	17,9307675
CD93 antigen	0,095695162	5,86E-12	1,61E-09	17,91525704
diacylglycerol lipase, beta	0,111608937	6,06E-12	1,63E-09	17,88292334
cytokine inducible SH2-containing protein	6,79023816	6,13E-12	1,63E-09	17,87151624

insulin-like growth factor 1	0,145612373	6,28E-12	1,65E-09	17,84793027
zinc finger protein 819	6,7785913	6,54E-12	1,68E-09	17,80692738
lymphoid-restricted membrane protein	0,147299994	6,56E-12	1,68E-09	17,80466929
solute carrier family 1 (glial high affinity glutamate transporter), member 2	8,360304582	6,67E-12	1,68E-09	17,7879925
signal transducing adaptor family member 1	6,226034341	6,69E-12	1,68E-09	17,78452799
interferon induced transmembrane protein 1	5,718105077	7,18E-12	1,77E-09	17,71550862
arachidonate 5-lipoxygenase activating protein	0,160846099	7,22E-12	1,77E-09	17,70974015
C-type lectin domain family 4, member b1	0,119174937	7,39E-12	1,79E-09	17,68695114
chemokine (C-C motif) ligand 9	0,157231554	7,71E-12	1,84E-09	17,64418894
tissue inhibitor of metalloproteinase 2	0,137793968	7,87E-12	1,86E-09	17,62414431
RIKEN cDNA 1810011H11 gene	0,126329562	8,06E-12	1,88E-09	17,60024482
receptor (TNFRSF)-interacting serine-threonine kinase 2	6,235767521	8,53E-12	1,97E-09	17,54452605
solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	9,39133129	9,10E-12	2,08E-09	17,48068378
immunoresponsive gene 1	7,897802352	9,61E-12	2,17E-09	17,42666055
linker for activation of T cells family, member 2	0,166657295	9,79E-12	2,19E-09	17,40779922
allograft inflammatory factor 1	0,17006141	1,00E-11	2,21E-09	17,38709571
RIKEN cDNA 6430548M08 gene	0,163385758	1,02E-11	2,23E-09	17,36494183
arachidonate 5-lipoxygenase activating protein	0,149670944	1,06E-11	2,28E-09	17,33306117
immunoresponsive gene 1	5,844118551	1,12E-11	2,40E-09	17,27455611
radical S-adenosyl methionine domain containing 2	10,16140855	1,15E-11	2,43E-09	17,25074064
cyclin-dependent kinase inhibitor 1C (P57)	0,105646338	1,21E-11	2,50E-09	17,19708399
chemokine (C-C motif) receptor 5	0,114576962	1,22E-11	2,50E-09	17,1927825
growth arrest specific 6	0,169141961	1,22E-11	2,50E-09	17,19076679
matrix metallopeptidase 23	0,149572147	1,29E-11	2,61E-09	17,13377796
UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 9	0,12663328	1,30E-11	2,61E-09	17,1296039
ras homolog gene family, member f	8,702216254	1,31E-11	2,61E-09	17,12152129
potassium channel tetramerisation domain containing 1	10,0810911	1,35E-11	2,68E-09	17,08546185
monoglyceride lipase	0,108507884	1,45E-11	2,85E-09	17,01461685
fos-like antigen 2	5,541809542	1,48E-11	2,87E-09	16,99610106
acid phosphatase, prostate	10,99369105	1,55E-11	2,98E-09	16,94857093
peroxisome proliferator activated receptor gamma	0,094770573	1,63E-11	3,10E-09	16,90062149
zinc finger and BTB domain containing 32	7,616883456	1,67E-11	3,16E-09	16,8745368
CD200 antigen	5,8787832	1,86E-11	3,44E-09	16,77184708
CD200 antigen	5,284121348	1,86E-11	3,44E-09	16,77147622
signaling lymphocytic activation molecule family member 1	5,314253671	1,90E-11	3,49E-09	16,74699285
interferon gamma inducible protein 47	7,059030422	1,95E-11	3,55E-09	16,72242142
pyridoxal (pyridoxine, vitamin B6) kinase	0,160343935	1,97E-11	3,55E-09	16,71107815
family with sequence similarity 198, member B	0,076445318	2,14E-11	3,79E-09	16,62954561
cytochrome P450, family 1, subfamily b, polypeptide 1	8,019682862	2,14E-11	3,79E-09	16,62894186
chemokine (C-C motif) ligand 17	6,893310628	2,23E-11	3,90E-09	16,58980529
vanin 3	11,60804563	2,24E-11	3,90E-09	16,58531096
insulin-like growth factor 1	0,123369047	2,41E-11	4,15E-09	16,51248633
phospholipase A1 member A	10,45473286	2,45E-11	4,20E-09	16,49379565
predicted gene 5483	7,773996893	2,48E-11	4,22E-09	16,48079683
N-myc downstream regulated gene 1	6,932207682	2,61E-11	4,39E-09	16,43051191
RIKEN cDNA 5430435G22 gene	0,130433291	2,63E-11	4,39E-09	16,42409158
arylacetamide deacetylase-like 1	0,138468967	2,74E-11	4,54E-09	16,38298548
guanylate binding protein 3	5,342876659	3,20E-11	5,26E-09	16,22681043
B and T lymphocyte associated	11,59813382	3,46E-11	5,64E-09	16,14907463
dynein, axonemal, heavy chain 2	0,187460644	3,52E-11	5,70E-09	16,13097875
alanyl (membrane) aminopeptidase	0,165586391	3,60E-11	5,78E-09	16,10810671
predicted gene 14207	7,28979354	4,19E-11	6,66E-09	15,95688687
guanylate binding protein 5	16,31329916	4,22E-11	6,66E-09	15,94881459
RIKEN cDNA 1700023F06 gene	0,201275066	4,24E-11	6,66E-09	15,94347399
vitamin D receptor	4,623222436	4,63E-11	7,20E-09	15,85619275
2'-5' oligoadenylate synthetase-like 1	6,277221158	4,77E-11	7,36E-09	15,82690807
TSC22 domain family, member 1	7,11325928	5,00E-11	7,58E-09	15,77788513
cannabinoid receptor 2 (macrophage)	0,160702012	5,01E-11	7,58E-09	15,77661999
G protein-coupled receptor 183	5,216756276	5,02E-11	7,58E-09	15,77442504
syndecan binding protein (syntenin) 2	8,174473894	5,14E-11	7,70E-09	15,75152547
DNA-damage-inducible transcript 4	5,667727879	5,50E-11	8,20E-09	15,68161792
formyl peptide receptor 2	5,583053456	5,83E-11	8,62E-09	15,62373569
CD97 antigen	0,067113833	6,06E-11	8,81E-09	15,58561867
guanylate binding protein 2	5,26406998	6,06E-11	8,81E-09	15,58509331
plasminogen activator, tissue	10,33089086	6,09E-11	8,81E-09	15,58014237
chemokine (C-C motif) ligand 3	6,508685666	6,15E-11	8,83E-09	15,57030352
src-like adaptor	6,017132022	6,72E-11	9,59E-09	15,48002868
angiopoietin-like 4	0,110448171	7,17E-11	1,01E-08	15,41499759
myosin IF	0,218065333	7,20E-11	1,01E-08	15,41076793
interleukin 11 receptor, alpha chain 1	0,204378223	7,23E-11	1,01E-08	15,40694297
interferon, alpha-inducible protein 27 like 2A	6,137351242	7,70E-11	1,07E-08	15,34351337
RIKEN cDNA 5430435G22 gene	0,160665169	8,15E-11	1,12E-08	15,2862071
2'-5' oligoadenylate synthetase-like 1	10,38175558	8,25E-11	1,13E-08	15,27377112
solute carrier family 4 (anion exchanger), member 8	0,162440169	8,45E-11	1,15E-08	15,24880968
interferon induced transmembrane protein 1	6,658706968	8,98E-11	1,21E-08	15,18797636
solute carrier organic anion transporter family, member 3a1	5,77498327	9,74E-11	1,31E-08	15,10520913
nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha	4,645773354	9,94E-11	1,33E-08	15,0848087
G protein-coupled receptor 84	6,5019041	1,01E-10	1,33E-08	15,07198198
receptor (calcitonin) activity modifying protein 1	0,176975361	1,06E-10	1,39E-08	15,02435617
filamin, beta	7,273481082	1,06E-10	1,39E-08	15,01559076
dynein, axonemal, heavy chain 2	0,21679903	1,07E-10	1,39E-08	15,01198084

megakaryocyte-associated tyrosine kinase	0,158516464	1,14E-10	1,47E-08	14,94706239
dipeptidylpeptidase 4	0,239412326	1,17E-10	1,50E-08	14,92379445
cellular repressor of E1A-stimulated genes 1	0,228517606	1,23E-10	1,58E-08	14,86528934
cannabinoid receptor 2 (macrophage)	0,226669357	1,25E-10	1,59E-08	14,85267512
cytohesin 4	0,244870581	1,30E-10	1,64E-08	14,80929519
spinster homolog 3 (Drosophila)	6,488272945	1,36E-10	1,70E-08	14,77072423
carbonyl reductase 3	0,239119305	1,43E-10	1,77E-08	14,71953747
RAS p21 protein activator 3	0,232819037	1,44E-10	1,79E-08	14,70582664
tumor necrosis factor, alpha-induced protein 3	5,153924305	1,52E-10	1,86E-08	14,65594032
pentraxin related gene	7,174953035	1,52E-10	1,86E-08	14,65343828
cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)	0,16374558	1,59E-10	1,93E-08	14,61085138
cyclin-dependent kinase 20	0,259051908	1,68E-10	2,03E-08	14,55271055
pro-platelet basic protein	0,177543486	1,73E-10	2,08E-08	14,52040135
vesicle amine transport protein 1 homolog (T californica)	0,250758598	1,78E-10	2,13E-08	14,49106188
CD14 antigen	5,022733587	1,81E-10	2,15E-08	14,47498136
zinc finger, DHHC domain containing 14	0,135766997	1,83E-10	2,16E-08	14,46291855
tumor necrosis factor (ligand) superfamily, member 9	5,936954641	1,84E-10	2,16E-08	14,46107031
G protein-coupled receptor 120	0,169323427	1,88E-10	2,19E-08	14,43584754
isocitrate dehydrogenase 1 (NADP+), soluble	0,230117046	1,89E-10	2,19E-08	14,43454919
C-type lectin domain family 4, member e	9,831518706	2,07E-10	2,39E-08	14,33795871
sphingomyelin phosphodiesterase, acid-like 3B	3,937242569	2,08E-10	2,39E-08	14,33426091
caspase 4, apoptosis-related cysteine peptidase	3,876238097	2,15E-10	2,44E-08	14,30387375
RAB11 family interacting protein 5 (class I)	0,219365229	2,15E-10	2,44E-08	14,3036844
CD40 antigen	4,264182306	2,21E-10	2,49E-08	14,27159571
zinc finger CCCH type containing 12A	4,714163322	2,23E-10	2,49E-08	14,26261936
solute carrier family 40 (iron-regulated transporter), member 1	0,253860316	2,23E-10	2,49E-08	14,26250082
G protein-coupled receptor 171	5,962646906	2,25E-10	2,50E-08	14,25413509
U6 small nuclear RNA	0,218409602	2,32E-10	2,56E-08	14,22422435
killer cell lectin-like receptor, subfamily A, member 17	0,171688929	2,34E-10	2,57E-08	14,21476651
RAB11 family interacting protein 5 (class I)	0,222063338	2,36E-10	2,58E-08	14,20480135
Fas (TNF receptor superfamily member 6)	0,250433576	2,40E-10	2,61E-08	14,18819665
serine (or cysteine) peptidase inhibitor, clade B, member 2	7,368360864	2,44E-10	2,63E-08	14,17254716
C-type lectin domain family 7, member a	0,134475554	2,45E-10	2,63E-08	14,16692992
neuropilin 1	0,178612668	2,46E-10	2,63E-08	14,16506778
troponin I, skeletal, fast 2	0,232815113	2,49E-10	2,64E-08	14,1506329
chemokine (C-C motif) receptor 5	0,163153635	2,50E-10	2,64E-08	14,15018713
CD200 antigen	4,142462234	2,53E-10	2,67E-08	14,13534081
transcription factor 4	3,811897072	2,55E-10	2,68E-08	14,12643042
a disintegrin and metallopeptidase domain 23	0,238893777	2,64E-10	2,76E-08	14,09086224
transmembrane protein 154	0,189021785	2,67E-10	2,77E-08	14,08006522
tripartite motif-containing 30A	8,062383415	2,83E-10	2,92E-08	14,02074089
thromboxane A synthase 1, platelet	0,141661413	2,89E-10	2,97E-08	13,99903109
DEXH (Asp-Glu-X-His) box polypeptide 58	4,858769735	2,92E-10	2,99E-08	13,98948414
mannose receptor, C type 1	0,10785917	2,96E-10	3,01E-08	13,9759509
protein tyrosine phosphatase-like A domain containing 1	3,693871284	3,01E-10	3,04E-08	13,96049214
leucine-rich repeats and immunoglobulin-like domains 1	4,365040978	3,09E-10	3,11E-08	13,93261883
trophoblast glycoprotein	5,319846639	3,18E-10	3,19E-08	13,90199239
dual specificity phosphatase 4	5,305005926	3,23E-10	3,22E-08	13,88609074
tumor necrosis factor receptor superfamily, member 9	4,67768832	3,43E-10	3,41E-08	13,82480902
nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha	3,958555164	3,46E-10	3,41E-08	13,81791348
apoptosis-associated tyrosine kinase	0,205084572	3,50E-10	3,44E-08	13,80545612
deoxyribonuclease II alpha	0,230348141	3,51E-10	3,44E-08	13,80151957
Meis homeobox 1	4,608390768	3,55E-10	3,45E-08	13,79189258
Fas (TNF receptor superfamily member 6)	0,262019864	3,57E-10	3,46E-08	13,78406071
selenoprotein P, plasma, 1	0,190213387	3,63E-10	3,50E-08	13,76693683
lysophosphatidic acid receptor 6	0,237973497	3,79E-10	3,64E-08	13,72254682
epithelial stromal interaction 1 (breast)	0,285244464	4,03E-10	3,85E-08	13,66090345
phospholipase A2, group IVF	4,022902892	4,08E-10	3,88E-08	13,64738458
benzodiazepine receptor associated protein 1	0,203834613	4,13E-10	3,91E-08	13,63489118
poliovirus receptor	5,984330644	4,16E-10	3,92E-08	13,62748821
three prime repair exonuclease 1	3,597886081	4,19E-10	3,92E-08	13,62032595
basic leucine zipper transcription factor, ATF-like	4,339733481	4,20E-10	3,92E-08	13,61947255
leucine rich repeat containing 14B	0,151383608	4,23E-10	3,93E-08	13,61188175
histidine ammonia lyase	0,255408032	4,26E-10	3,93E-08	13,60375652
lysosomal acid lipase A	0,151354675	4,27E-10	3,93E-08	13,6020146
interferon induced transmembrane protein 1	3,554229549	4,28E-10	3,93E-08	13,59886331
3'-phosphoadenosine 5'-phosphosulfate synthase 2	0,29882538	4,57E-10	4,17E-08	13,53196979
two pore segment channel 2	0,221209122	4,60E-10	4,18E-08	13,52548264
C-type lectin domain family 7, member a	0,109925963	4,66E-10	4,22E-08	13,51251809
tissue inhibitor of metalloproteinase 1	4,377852818	4,73E-10	4,26E-08	13,49686971
Jun dimerization protein 2	4,815147889	4,77E-10	4,26E-08	13,48964531
guanylate binding protein 2	5,119929661	4,77E-10	4,26E-08	13,48761944
potassium channel tetramerisation domain containing 14	4,004256446	4,89E-10	4,35E-08	13,46391402
myosin, light polypeptide kinase	5,620013585	5,14E-10	4,54E-08	13,41133395
three prime repair exonuclease 1	3,639871289	5,15E-10	4,54E-08	13,41064727
v-myc myelocytomatosis viral oncogene homolog 1, lung carcinoma derived (avian)	0,205434392	5,31E-10	4,66E-08	13,37898416
guanylate binding protein 3	5,587296703	5,50E-10	4,79E-08	13,34318081
CD40 antigen	3,593923878	5,51E-10	4,79E-08	13,34142677
interleukin 2 receptor, alpha chain	4,165498066	5,53E-10	4,80E-08	13,33690946
immediate early response 3	5,055724442	5,57E-10	4,81E-08	13,33008628
thromboxane A synthase 1, platelet	0,210927427	5,77E-10	4,92E-08	13,29417445

thymidylate synthase	3,897238262	5,77E-10	4,92E-08	13,29343287
E2F transcription factor 2	0,216643153	5,78E-10	4,92E-08	13,29273756
tissue inhibitor of metalloproteinase 1	4,040382426	5,83E-10	4,95E-08	13,28390257
histidine decarboxylase	4,049323454	5,89E-10	4,98E-08	13,27228311
solute carrier family 1 (glial high affinity glutamate transporter), member 2	3,88472251	6,05E-10	5,09E-08	13,24566747
phospholipase C, beta 2	0,22838119	6,07E-10	5,09E-08	13,24261215
suppression of tumorigenicity 7	4,901336423	6,20E-10	5,18E-08	13,22047239
CD28 antigen	0,260530095	6,23E-10	5,19E-08	13,21459212
epithelial membrane protein 1	0,206198127	6,43E-10	5,31E-08	13,18238601
apolipoprotein E	0,187931596	6,43E-10	5,31E-08	13,18232115
Fc receptor, IgG, low affinity IV	0,272717762	6,56E-10	5,39E-08	13,162986
protein kinase C, beta	0,246893946	6,61E-10	5,39E-08	13,15527671
eukaryotic translation initiation factor 2-alpha kinase 2	4,402477337	6,61E-10	5,39E-08	13,1543329
RIKEN cDNA 1700029F09 gene	3,505890273	7,12E-10	5,78E-08	13,07836276
RIKEN cDNA 2310016C08 gene	6,766134058	7,19E-10	5,81E-08	13,06853844
schlafen 1	4,62217647	7,25E-10	5,84E-08	13,05936196
CD40 antigen	3,39083772	7,36E-10	5,90E-08	13,04474462
transglutaminase 2, C polypeptide	3,648878396	7,61E-10	6,08E-08	13,01049331
caspase 4, apoptosis-related cysteine peptidase	4,938110397	8,15E-10	6,48E-08	12,94017994
collagen, type IV, alpha 1	5,282450092	8,21E-10	6,48E-08	12,9318162
triggering receptor expressed on myeloid cells 2	0,136752229	8,22E-10	6,48E-08	12,93075964
E2F transcription factor 2	0,227809328	8,24E-10	6,48E-08	12,9283562
ryanodine receptor 1, skeletal muscle	0,230790641	8,26E-10	6,48E-08	12,92634189
interferon activated gene 205	4,358779689	8,54E-10	6,67E-08	12,89192032
myosin, light polypeptide kinase	5,002070051	8,61E-10	6,70E-08	12,88362013
monoglyceride lipase	0,164906692	8,89E-10	6,89E-08	12,85102711
RAD54 like (S. cerevisiae)	0,214618345	8,95E-10	6,89E-08	12,8434438
interferon induced transmembrane protein 1	8,488196769	8,96E-10	6,89E-08	12,84285597
IQ motif containing GTPase activating protein 2	0,219582091	9,04E-10	6,93E-08	12,83390689
Ena-vasodilator stimulated phosphoprotein	0,222834721	9,52E-10	7,27E-08	12,78087559
killer cell lectin-like receptor, subfamily A, member 3	0,31245894	9,78E-10	7,44E-08	12,75300813
predicted gene 4980	0,242864065	9,99E-10	7,57E-08	12,73083705
cyclin-dependent kinase 20	0,281603707	1,03E-09	7,82E-08	12,69466352
RIKEN cDNA A130040M12 gene	5,961110404	1,08E-09	8,15E-08	12,64805589
phospholipase A2, group XV	0,289343478	1,13E-09	8,48E-08	12,60341986
heme binding protein 1	0,200919014	1,15E-09	8,61E-08	12,58429594
secretory carrier membrane protein 5	0,212750282	1,16E-09	8,61E-08	12,58084693
glycoprotein (transmembrane) nmb	0,24798079	1,24E-09	9,18E-08	12,51101949
solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	0,285826604	1,28E-09	9,40E-08	12,47542106
amiloride binding protein 1 (amine oxidase, copper-containing)	0,255484494	1,28E-09	9,40E-08	12,47494951
sphingomyelin phosphodiesterase, acid-like 3A	0,241931516	1,28E-09	9,40E-08	12,47490539
acid phosphatase, prostate	5,409836577	1,29E-09	9,45E-08	12,4664644
poliovirus receptor	5,638424896	1,33E-09	9,72E-08	12,43382364
synaptogyrin 1	0,180591234	1,36E-09	9,90E-08	12,41095966
chemokine (C-X-C motif) receptor 5	5,253956386	1,38E-09	9,97E-08	12,39998164
adenosine kinase	0,265761343	1,50E-09	1,08E-07	12,31404681
CDK5 regulatory subunit associated protein 1-like 1	0,31630364	1,51E-09	1,09E-07	12,30452079
CD82 antigen	3,70607831	1,54E-09	1,10E-07	12,28571803
Rho-related BTB domain containing 1	3,26361739	1,56E-09	1,11E-07	12,27312239
allograft inflammatory factor 1	0,218031441	1,59E-09	1,13E-07	12,25077663
tripartite motif-containing 30D	3,976733143	1,62E-09	1,15E-07	12,23601449
toll-like receptor 13	0,20206853	1,63E-09	1,15E-07	12,22935086
vascular endothelial growth factor A	4,010758897	1,63E-09	1,15E-07	12,22623845
caveolin 1, caveolae protein	3,3358333	1,64E-09	1,15E-07	12,21914185
integrin beta 7	0,222261568	1,65E-09	1,15E-07	12,21211676
leupaxin	0,24606688	1,66E-09	1,15E-07	12,21013291
transmembrane protein 8 (five membrane-spanning domains)	0,26000127	1,66E-09	1,15E-07	12,20777486
Rho GTPase activating protein 25	0,329676269	1,67E-09	1,15E-07	12,20512585
acidic (leucine-rich) nuclear phosphoprotein 32 family, member A	3,879396821	1,72E-09	1,18E-07	12,17239656
tumor necrosis factor receptor superfamily, member 21	0,227361638	1,72E-09	1,18E-07	12,17028783
acyl-CoA thioesterase 1	0,197507687	1,73E-09	1,18E-07	12,16760108
interferon regulatory factor 7	5,478922896	1,73E-09	1,18E-07	12,16434997
tumor necrosis factor receptor superfamily, member 9	4,514101872	1,74E-09	1,19E-07	12,15788293
single-stranded DNA binding protein 3	3,240140434	1,82E-09	1,23E-07	12,11472974
syndecan binding protein (syntenin) 2	4,167591462	1,91E-09	1,28E-07	12,06430877
BCL2-like 14 (apoptosis facilitator)	0,233852451	1,91E-09	1,28E-07	12,0627545
solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 2	0,238383949	1,92E-09	1,28E-07	12,06043306
tubulin, beta 2B	0,29105782	1,92E-09	1,28E-07	12,05941682
phosphatidic acid phosphatase type 2A	4,406596601	1,93E-09	1,29E-07	12,05260587
RAB26, member RAS oncogene family	3,653448341	1,96E-09	1,30E-07	12,03984309
histocompatibility 2, class II, locus Mb2	4,047095415	2,00E-09	1,33E-07	12,01517554
dual specificity phosphatase 14	4,965327919	2,05E-09	1,35E-07	11,99155168
cytochrome P450, family 27, subfamily a, polypeptide 1	0,294829772	2,07E-09	1,36E-07	11,98288805
RIKEN cDNA 1810011H11 gene	0,19006117	2,12E-09	1,39E-07	11,95724667
a disintegrin and metallopeptidase domain 11	0,195397294	2,12E-09	1,39E-07	11,9568403
mannosidase 2, alpha B1	0,308062963	2,16E-09	1,41E-07	11,93591575
histocompatibility 2, Q region locus 8	3,369051889	2,27E-09	1,47E-07	11,88749512
FXYD domain-containing ion transport regulator 2	0,204483401	2,29E-09	1,48E-07	11,87793595
F-box protein 32	3,342679793	2,31E-09	1,49E-07	11,86844804
dual specificity phosphatase 16	3,073812429	2,32E-09	1,49E-07	11,86465254
Fc receptor, IgG, low affinity III	0,189674722	2,35E-09	1,51E-07	11,85251596

amylo-1,6-glucosidase, 4-alpha-glucanotransferase	0,307027089	2,35E-09	1,51E-07	11,84899291
sema domain, immunoglobulin domain (Ig), and GPI membrane anchor, (semaphorin) 7A	3,198979335	2,36E-09	1,51E-07	11,84461298
sema domain, immunoglobulin domain (Ig), and GPI membrane anchor, (semaphorin) 7A	3,916152746	2,53E-09	1,61E-07	11,77653504
TYRO protein tyrosine kinase binding protein	0,304662965	2,56E-09	1,62E-07	11,76249095
pleckstrin 2	3,951618685	2,57E-09	1,63E-07	11,75709287
CD300 antigen like family member B	0,313082688	2,61E-09	1,64E-07	11,74372927
aldehyde dehydrogenase 2, mitochondrial	0,32925105	2,63E-09	1,65E-07	11,73645759
phospholipase D family, member 3	0,29637518	2,66E-09	1,66E-07	11,72468836
tetratricopeptide repeat domain 39A	0,322634645	2,69E-09	1,68E-07	11,70990241
interleukin 18 receptor 1	0,287360222	2,75E-09	1,71E-07	11,68937521
vascular endothelial growth factor A	3,651606732	2,77E-09	1,72E-07	11,68032164
serine/threonine kinase 39, STE20/SPS1 homolog (yeast)	3,29140387	2,86E-09	1,77E-07	11,64883086
LIM domain only 2	0,226887966	2,91E-09	1,79E-07	11,63071084
xanthine dehydrogenase	0,336364404	2,93E-09	1,80E-07	11,62282714
EF-hand calcium binding domain 4A	0,264882198	2,99E-09	1,83E-07	11,60347127
RIKEN cDNA 1500031L02 gene	3,38076767	2,99E-09	1,83E-07	11,60124263
vascular cell adhesion molecule 1	2,980552056	3,01E-09	1,83E-07	11,59650174
serine (or cysteine) peptidase inhibitor, clade B, member 1a	0,304116713	3,03E-09	1,84E-07	11,58992949
protein kinase C, beta	0,297373336	3,14E-09	1,90E-07	11,5505333
serine (or cysteine) peptidase inhibitor, clade B, member 6a	0,327142695	3,18E-09	1,92E-07	11,53867286
pleckstrin	4,987847642	3,24E-09	1,95E-07	11,5201323
growth arrest and DNA-damage-inducible 45 alpha	0,310979853	3,28E-09	1,97E-07	11,50686267
Kruppel-like factor 7 (ubiquitous)	3,572501382	3,32E-09	1,99E-07	11,49363451
expressed sequence AA467197	2,941986713	3,35E-09	2,00E-07	11,48537111
DDHD domain containing 1	0,337555769	3,55E-09	2,11E-07	11,42472451
T cell-interacting, activating receptor on myeloid cells 1	4,059424379	3,57E-09	2,12E-07	11,41943452
phosphoinositide-3-kinase, catalytic, gamma polypeptide	3,067617084	3,58E-09	2,12E-07	11,41631054
vitamin D receptor	3,152134474	3,62E-09	2,13E-07	11,40578232
synaptogyrin 1	0,248978422	3,66E-09	2,15E-07	11,39415089
family with sequence similarity 63, member A	0,338449377	3,73E-09	2,19E-07	11,3743968
peroxisome proliferative activated receptor, gamma, coactivator 1 beta	0,30228751	3,81E-09	2,23E-07	11,35134422
protein kinase C and casein kinase substrate in neurons 1	0,291828602	3,82E-09	2,23E-07	11,3481112
reticulon 1	3,849938008	3,83E-09	2,23E-07	11,34603029
vasohibin 1	3,558231665	3,86E-09	2,24E-07	11,33888821
lipoprotein lipase	0,271518783	3,98E-09	2,30E-07	11,30725
progressive ankylosis	0,224231928	4,05E-09	2,34E-07	11,28874993
BCL2-like 11 (apoptosis facilitator)	3,218889637	4,15E-09	2,39E-07	11,26235646
TRAF3 interacting protein 2	3,795901901	4,30E-09	2,46E-07	11,22676351
apolipoprotein L 7c pseudogene	0,214640227	4,31E-09	2,46E-07	11,22527436
RIKEN cDNA 2310014L17 gene	0,203868374	4,32E-09	2,47E-07	11,22177339
glutaminase 2 (liver, mitochondrial)	3,309326504	4,52E-09	2,57E-07	11,17532762
chemokine (C-C motif) receptor-like 2	2,746128107	4,60E-09	2,61E-07	11,15819478
RIKEN cDNA 1190002H23 gene	3,82069454	4,64E-09	2,63E-07	11,14744268
myoferlin	0,301608988	4,75E-09	2,68E-07	11,12368099
interleukin 1 receptor antagonist	3,370057897	4,91E-09	2,77E-07	11,08879763
RIKEN cDNA 5031439G07 gene	0,25879283	4,96E-09	2,78E-07	11,07997633
RIKEN cDNA 2310016C08 gene	4,667870841	4,98E-09	2,78E-07	11,07418024
matrix metallopeptidase 13	5,985787712	4,99E-09	2,78E-07	11,07395129
protein kinase C, beta	0,293886436	5,10E-09	2,84E-07	11,04981999
YdjC homolog (bacterial)	0,295431798	5,13E-09	2,85E-07	11,0442745
zinc finger, RAN-binding domain containing 3	0,213463029	5,19E-09	2,87E-07	11,03310113
killer cell lectin-like receptor subfamily B member 1B	3,390718977	5,33E-09	2,94E-07	11,00456952
vitamin D receptor	4,387827567	5,35E-09	2,95E-07	10,99994614
hypothetical LOC100503337	3,126065516	5,36E-09	2,95E-07	10,99837939
filamin binding LIM protein 1	0,266962371	5,50E-09	3,01E-07	10,97180886
F-box protein 32	3,219656139	5,71E-09	3,12E-07	10,93381874
interleukin 1 receptor antagonist	4,003127526	5,79E-09	3,15E-07	10,91975987
tight junction protein 2	4,316277646	5,83E-09	3,17E-07	10,91225061
coiled-coil-helix-coiled-coil-helix domain containing 10	0,345239975	5,85E-09	3,17E-07	10,90908197
purine-nucleoside phosphorylase 2	6,102212475	5,95E-09	3,22E-07	10,89046467
pro-platelet basic protein	0,209409191	5,97E-09	3,22E-07	10,88676401
leukemia inhibitory factor	4,299455505	6,17E-09	3,32E-07	10,85366849
poliovirus receptor	5,263699229	6,23E-09	3,34E-07	10,84303965
dipeptidylpeptidase 7	0,347494806	6,40E-09	3,42E-07	10,81521114
CD93 antigen	0,19035478	6,41E-09	3,42E-07	10,81370523
apolipoprotein C-II	0,314349706	6,60E-09	3,51E-07	10,78338472
ras homolog gene family, member D	4,652324523	6,61E-09	3,51E-07	10,78210271
interferon induced transmembrane protein 1	2,883893758	6,65E-09	3,52E-07	10,77653431
CD86 antigen	4,047217467	6,71E-09	3,54E-07	10,76688513
RIKEN cDNA 5730469M10 gene	0,349767044	6,79E-09	3,58E-07	10,75436969
cytochrome P450, family 27, subfamily a, polypeptide 1	0,258661149	6,82E-09	3,58E-07	10,74981047
indoleamine 2,3-dioxygenase 1	3,587303069	6,84E-09	3,58E-07	10,74621869
calcium channel, voltage-dependent, alpha 2/delta subunit 2	0,270150039	6,85E-09	3,58E-07	10,74543218
integrin beta 5	0,302892339	7,00E-09	3,64E-07	10,72286121
poly (ADP-ribose) polymerase family, member 12	3,100915351	7,00E-09	3,64E-07	10,7228128
interferon-induced protein with tetratricopeptide repeats 3	3,850552144	7,07E-09	3,67E-07	10,71245979
SEC14 and spectrin domains 1	2,853339344	7,10E-09	3,67E-07	10,70790787
tumor necrosis factor (ligand) superfamily, member 4	3,834398384	7,25E-09	3,73E-07	10,68565117
enolase 3, beta muscle	0,298383855	7,26E-09	3,73E-07	10,68489847
uridine phosphorylase 1	4,23035514	7,27E-09	3,73E-07	10,68400411
BTB (POZ) domain containing 11	0,330786639	7,36E-09	3,77E-07	10,67062683

kallikrein 1-related peptidase b1	0,336187613	7,50E-09	3,83E-07	10,65062543
cDNA sequence BC046404	2,85054103	7,51E-09	3,83E-07	10,65010317
docking protein 3	0,367247471	7,53E-09	3,83E-07	10,6466395
filamin, beta	5,303949071	7,64E-09	3,87E-07	10,63223869
receptor accessory protein 1	0,302647336	7,71E-09	3,90E-07	10,62222868
actin, gamma 2, smooth muscle, enteric	0,257669336	7,76E-09	3,92E-07	10,61586919
C-type lectin domain family 4, member a3	0,267692737	7,78E-09	3,92E-07	10,6129633
lysosomal-associated membrane protein 1	0,379207584	7,87E-09	3,95E-07	10,60137527
LAG1 homolog, ceramide synthase 5	0,357309739	7,94E-09	3,98E-07	10,59200539
serglycin	3,892362821	8,04E-09	4,02E-07	10,57869215
interferon-induced protein with tetratricopeptide repeats 3	6,21057933	8,19E-09	4,09E-07	10,55952363
Sp140 nuclear body protein	3,957125883	8,23E-09	4,09E-07	10,55469871
claudin 10	0,360929919	8,34E-09	4,14E-07	10,54080529
KiSS-1 metastasis-suppressor	2,725369309	8,40E-09	4,16E-07	10,53413757
reticulon 1	3,128258227	8,44E-09	4,17E-07	10,52861989
low density lipoprotein-related protein 12	0,371686339	8,49E-09	4,18E-07	10,52295554
Von Willebrand factor homolog	0,340581325	8,73E-09	4,26E-07	10,49391799
glutaminase 2 (liver, mitochondrial)	3,42917598	8,73E-09	4,26E-07	10,49381132
SLAM family member 8	0,264447096	8,73E-09	4,26E-07	10,49334069
serine/threonine kinase 17b (apoptosis-inducing)	2,696701445	8,74E-09	4,26E-07	10,49304419
signal-induced proliferation-associated 1 like 1	2,969003269	8,74E-09	4,26E-07	10,49247999
carbonic anhydrase 13	3,077998752	9,12E-09	4,43E-07	10,44842792
branched chain aminotransferase 2, mitochondrial	0,373751059	9,32E-09	4,51E-07	10,42636829
CD84 antigen	0,247113137	9,38E-09	4,53E-07	10,41945066
phosphoinositide-3-kinase, catalytic, gamma polypeptide	3,243829532	9,44E-09	4,55E-07	10,41297662
TNF receptor associated factor 4	3,146009255	9,85E-09	4,74E-07	10,36901884
Rho GTPase activating protein 24	0,339110866	1,01E-08	4,86E-07	10,33943183
spermatogenesis associated 13	2,844258065	1,04E-08	4,98E-07	10,31169062
thymidylate synthase, pseudogene	3,700874661	1,07E-08	5,12E-07	10,28189518
RIKEN cDNA A530032D15Rik gene	2,966456963	1,09E-08	5,20E-07	10,2627082
Ras and Rab interactor 3	2,636462344	1,10E-08	5,23E-07	10,25421266
F-box protein 32	3,646796889	1,10E-08	5,24E-07	10,25103242
cell division cycle associated 7 like	0,329697952	1,13E-08	5,33E-07	10,22980157
H2.0-like homeobox	0,261824709	1,18E-08	5,57E-07	10,18272851
DEXH (Asp-Glu-X-His) box polypeptide 58	4,402993069	1,19E-08	5,60E-07	10,17477469
leprecan-like 1	0,314136371	1,21E-08	5,70E-07	10,15315125
CKLF-like MARVEL transmembrane domain containing 3	0,372583946	1,23E-08	5,79E-07	10,13447035
RAS-like, estrogen-regulated, growth-inhibitor	0,304613542	1,25E-08	5,82E-07	10,12350795
CD81 antigen	3,098405165	1,25E-08	5,82E-07	10,12181054
solute carrier family 1 (glial high affinity glutamate transporter), member 2	5,250070635	1,25E-08	5,82E-07	10,12134087
chemokine (C-X-C motif) receptor 5	3,215705754	1,27E-08	5,90E-07	10,10549624
sterol O-acyltransferase 1	0,35569032	1,28E-08	5,92E-07	10,09954446
potassium channel, subfamily K, member 13	0,331433512	1,30E-08	6,03E-07	10,0784922
cytochrome P450, family 4, subfamily f, polypeptide 18	0,187537911	1,32E-08	6,08E-07	10,06818261
interferon gamma inducible protein 30	0,332129169	1,34E-08	6,15E-07	10,05323067
FXYD domain-containing ion transport regulator 2	0,335692183	1,44E-08	6,63E-07	9,973338594
membrane-spanning 4-domains, subfamily A, member 6D	3,232337368	1,48E-08	6,79E-07	9,946462848
ChaC, cation transport regulator-like 1 (E. coli)	2,9394604	1,49E-08	6,80E-07	9,942001234
cDNA sequence BC006779	2,768482559	1,51E-08	6,86E-07	9,92779808
cytosolic thiouridylase subunit 1 homolog (S. pombe)	3,119742158	1,51E-08	6,86E-07	9,927573607
fibroblast growth factor receptor 2	3,600720432	1,52E-08	6,89E-07	9,921317864
schlafen 2	3,52304977	1,53E-08	6,94E-07	9,91104816
neural precursor cell expressed, developmentally down-regulated gene 9	2,805110009	1,56E-08	7,06E-07	9,89147053
MAD homolog 3 (Drosophila)	0,25756731	1,56E-08	7,06E-07	9,889808827
mannosidase 2, alpha B1	0,37797602	1,57E-08	7,07E-07	9,883702136
interleukin-1 receptor-associated kinase 3	2,733756017	1,57E-08	7,07E-07	9,883620415
microfibrillar-associated protein 3-like	3,252652875	1,59E-08	7,12E-07	9,873417801
low density lipoprotein receptor-related protein 8, apolipoprotein e receptor	3,278605479	1,63E-08	7,28E-07	9,848742753
claudin 1	0,310649943	1,63E-08	7,29E-07	9,844794335
apolipoprotein B mRNA editing enzyme, catalytic polypeptide 1	0,361119931	1,67E-08	7,46E-07	9,818617484
grancalcin	0,302813243	1,68E-08	7,47E-07	9,815056733
synovial sarcoma, X breakpoint 2 interacting protein	3,294035102	1,70E-08	7,54E-07	9,803216726
colony stimulating factor 1 receptor	0,304247436	1,77E-08	7,83E-07	9,761226652
topoisomerase (DNA) I	3,008583896	1,80E-08	7,97E-07	9,740657304
oncostatin M	3,399841724	1,82E-08	8,01E-07	9,733765828
transmembrane protein 8 (five membrane-spanning domains)	0,314356479	1,85E-08	8,13E-07	9,716201278
fucosyltransferase 4	0,375528893	1,88E-08	8,24E-07	9,699201707
UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 8	0,333035374	1,88E-08	8,24E-07	9,695697347
family with sequence similarity 78, member A	0,377010966	1,88E-08	8,24E-07	9,695219621
orosomucoid 2	3,492048285	1,89E-08	8,25E-07	9,691107828
glutamate-cysteine ligase, modifier subunit	0,308634087	1,90E-08	8,25E-07	9,689344512
DEXH (Asp-Glu-X-His) box polypeptide 58	4,5251689	1,92E-08	8,35E-07	9,675269707
transmembrane protein 178	3,077883984	2,00E-08	8,65E-07	9,635642327
myelin-associated glycoprotein	0,295308688	2,03E-08	8,75E-07	9,619982607
macrophage receptor with collagenous structure	4,750445989	2,03E-08	8,75E-07	9,619932096
ADAMTS-like 5	0,279336361	2,03E-08	8,75E-07	9,617715243
selenoprotein P, plasma, 1	0,323266891	2,10E-08	9,03E-07	9,582324366
interleukin 11 receptor, alpha chain 1	0,319496808	2,14E-08	9,17E-07	9,563499117
cytochrome P450, family 27, subfamily a, polypeptide 1	0,210412029	2,14E-08	9,17E-07	9,562282643
gene rich cluster, C10 gene	2,715645002	2,23E-08	9,53E-07	9,519758973
CD97 antigen	0,185444045	2,24E-08	9,55E-07	9,515160201

nuclear protein 1	2,775551982	2,27E-08	9,65E-07	9,500732484
2'-5' oligoadenylate synthetase-like 1	3,804852493	2,27E-08	9,65E-07	9,500218768
expressed sequence C77080	0,310827237	2,29E-08	9,71E-07	9,49150325
DnaJ (Hsp40) homolog, subfamily C, member 15	0,346565464	2,32E-08	9,80E-07	9,480263973
pleckstrin 2	3,800675357	2,38E-08	1,00E-06	9,454454494
complement factor properdin	0,364959499	2,52E-08	1,06E-06	9,392733198
transmembrane protein 86A	0,414275784	2,61E-08	1,10E-06	9,354972352
cDNA sequence BC046404	2,652696628	2,66E-08	1,11E-06	9,336617164
complement component 1, q subcomponent, alpha polypeptide	0,311070959	2,66E-08	1,11E-06	9,335500734
G protein-coupled receptor 18	3,021455126	2,67E-08	1,12E-06	9,332264702
haptoglobin	3,053247892	2,68E-08	1,12E-06	9,327559424
glycogenin	0,399710277	2,70E-08	1,12E-06	9,320245505
ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltra	0,374824613	2,70E-08	1,12E-06	9,319886978
RIKEN cDNA 2010106G01 gene	2,829108813	2,76E-08	1,14E-06	9,298177924
DnaJ (Hsp40) homolog, subfamily B, member 6	2,529762908	2,77E-08	1,15E-06	9,294037186
solute carrier family 4 (anion exchanger), member 8	0,336600365	2,80E-08	1,15E-06	9,285492895
argininosuccinate synthetase 1	0,39694837	2,83E-08	1,16E-06	9,274190152
BCL2-like 11 (apoptosis facilitator)	3,671938431	2,88E-08	1,19E-06	9,252884575
cyclin-dependent kinase 5, regulatory subunit 1 (p35)	2,650389785	2,89E-08	1,19E-06	9,250300988
olfactomedin 1	0,385272989	2,94E-08	1,20E-06	9,233619664
NAD(P)H dehydrogenase, quinone 2	0,399140898	2,94E-08	1,20E-06	9,231781284
class II transactivator	2,860476807	2,98E-08	1,22E-06	9,217955949
tetraspanin 14	0,362132085	2,99E-08	1,22E-06	9,21600715
G protein-coupled receptor 137B	0,301792277	3,04E-08	1,23E-06	9,198439831
RAS protein activator like 3	0,351641781	3,06E-08	1,24E-06	9,190230623
kinesin light chain 4	0,349182671	3,08E-08	1,24E-06	9,186231883
interferon-induced protein with tetratricopeptide repeats 2	3,0110904	3,08E-08	1,24E-06	9,185621934
fatty acid binding protein 3, muscle and heart	4,111367443	3,12E-08	1,26E-06	9,169663956
RAS guanyl releasing protein 1	2,442269067	3,13E-08	1,26E-06	9,167172351
glycoprotein (transmembrane) nmb	0,230179919	3,15E-08	1,26E-06	9,161899441
interferon induced transmembrane protein 2	2,680629354	3,16E-08	1,27E-06	9,156836169
leukemia inhibitory factor	3,017691321	3,21E-08	1,28E-06	9,142126388
protein C receptor, endothelial	4,81022709	3,28E-08	1,31E-06	9,118580833
pleckstrin homology domain containing, family O member 2	0,330931045	3,32E-08	1,32E-06	9,106174525
stearoyl-Coenzyme A desaturase 1	0,333065666	3,33E-08	1,32E-06	9,104822246
thrombospondin 1	3,594033568	3,35E-08	1,33E-06	9,098090316
nicotinamide N-methyltransferase	0,327520812	3,37E-08	1,33E-06	9,092650684
suppression of tumorigenicity 5	2,890421681	3,39E-08	1,34E-06	9,085014904
ornithine decarboxylase antizyme 2, pseudogene	0,376810216	3,41E-08	1,34E-06	9,079219893
calcium-binding protein p22-like	3,316486481	3,44E-08	1,35E-06	9,068963759
pleckstrin homology domain containing, family M (with RUN domain) member 1	0,404251186	3,48E-08	1,36E-06	9,059143534
CD63 antigen	0,413839315	3,48E-08	1,36E-06	9,057586003
RIKEN cDNA 9030625A04 gene	2,944056748	3,49E-08	1,37E-06	9,05404844
haptoglobin	3,346148576	3,54E-08	1,38E-06	9,039252288
synaptopodin	0,373714856	3,55E-08	1,38E-06	9,036175903
guanine nucleotide binding protein (G protein), gamma 4	2,730080619	3,61E-08	1,41E-06	9,01878104
chondroitin sulfate N-acetylgalactosaminyltransferase 1	4,057684385	3,66E-08	1,42E-06	9,004723574
cDNA sequence BC006779	2,646933922	3,75E-08	1,45E-06	8,978696312
neuropilin 1	0,209013319	3,76E-08	1,45E-06	8,976989663
signal transducer and activator of transcription 5A	3,081812055	3,78E-08	1,46E-06	8,970432059
dual specificity phosphatase 1	2,464904265	3,79E-08	1,46E-06	8,970268127
Wolfram syndrome 1 homolog (human)	0,322990714	3,81E-08	1,46E-06	8,963998585
single-stranded DNA binding protein 3	2,924169019	3,96E-08	1,52E-06	8,923398684
acyl-CoA synthetase long-chain family member 1	3,424686819	4,04E-08	1,55E-06	8,901395537
solute carrier family 45, member 4	0,276241607	4,09E-08	1,56E-06	8,889830991
legumain	0,392671659	4,23E-08	1,62E-06	8,854740813
lysozyme 1	0,323470945	4,45E-08	1,69E-06	8,802847233
transferrin receptor	0,398433937	4,50E-08	1,71E-06	8,790673975
growth arrest and DNA-damage-inducible 45 alpha	0,268331834	4,52E-08	1,72E-06	8,785169567
lymphocyte antigen 9	0,408493293	4,57E-08	1,73E-06	8,773814492
UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 10	2,641829142	4,69E-08	1,77E-06	8,748185112
RIKEN cDNA 9430038I01 gene	0,378254339	4,69E-08	1,77E-06	8,747734068
nucleoredoxin	0,37969293	4,70E-08	1,77E-06	8,74595659
CD151 antigen	0,418648892	4,79E-08	1,80E-06	8,726150236
cytokine induced apoptosis inhibitor 1	2,750068818	4,81E-08	1,81E-06	8,719970354
cerebellin 1 precursor protein	3,802023248	4,94E-08	1,85E-06	8,693111423
monoglyceride lipase	0,233694396	4,96E-08	1,86E-06	8,688274836
low density lipoprotein-related protein 12	0,365906608	5,05E-08	1,89E-06	8,669151757
transducin-like enhancer of split 1, homolog of Drosophila E(spl)	3,299590393	5,06E-08	1,89E-06	8,66861365
interferon-induced protein 35	2,608867062	5,09E-08	1,90E-06	8,661272404
arginase type II	2,692744099	5,11E-08	1,90E-06	8,65800117
centromere protein A	2,457204684	5,14E-08	1,91E-06	8,652100446
diacylglycerol kinase zeta	0,370447683	5,21E-08	1,93E-06	8,638272736
interferon activated gene 205	2,314472784	5,22E-08	1,93E-06	8,636255869
macrophage scavenger receptor 1	0,390592339	5,37E-08	1,98E-06	8,605927267
4HAUS augmin-like complex, subunit 8	0,356832521	5,39E-08	1,98E-06	8,602137111
chromatin modifying protein 5	2,642343239	5,51E-08	2,02E-06	8,579850192
potassium channel tetramerisation domain containing 14	5,381664073	5,53E-08	2,03E-06	8,576342525
neural precursor cell expressed, developmentally down-regulated gene 9	3,242871923	5,64E-08	2,07E-06	8,554545764
family with sequence similarity 63, member A	0,412389322	5,68E-08	2,08E-06	8,547751562
cDNA sequence BC016495	3,149646128	5,75E-08	2,10E-06	8,534501285

sortilin 1	0,393323982	5,82E-08	2,12E-06	8,522527273
huntingtin interacting protein 1 related	2,485381455	5,84E-08	2,12E-06	8,518226123
allograft inflammatory factor 1-like	0,368742342	5,85E-08	2,12E-06	8,516564241
potassium channel tetramerisation domain containing 12	0,405148665	5,89E-08	2,13E-06	8,509611388
5'-nucleotidase domain containing 2	0,380332363	5,98E-08	2,16E-06	8,494158793
haptoglobin	3,503371877	6,03E-08	2,18E-06	8,48582256
tumor necrosis factor receptor superfamily, member 12a	0,404960206	6,04E-08	2,18E-06	8,484236498
signal transducer and activator of transcription 1	2,729751925	6,07E-08	2,18E-06	8,478308173
MICAL-like 2	3,003854596	6,08E-08	2,18E-06	8,476921852
lysozyme 2	0,393489975	6,08E-08	2,18E-06	8,476205948
ubiquitin-conjugating enzyme E2 Q2-like	0,421946676	6,09E-08	2,18E-06	8,475424835
CD40 antigen	3,653604163	6,45E-08	2,30E-06	8,415901876
RIKEN cDNA 1110012D08 gene	3,084881632	6,48E-08	2,31E-06	8,410236227
ladinin	3,09909273	6,54E-08	2,33E-06	8,401038499
ecotropic viral integration site 2a	0,348390868	6,57E-08	2,34E-06	8,395960198
FBJ osteosarcoma oncogene	0,311415059	6,65E-08	2,36E-06	8,383524467
TBC1 domain family, member 2	0,345003582	6,67E-08	2,36E-06	8,380593163
non-metastatic cells 3, protein expressed in	0,397531929	6,74E-08	2,38E-06	8,369601238
CD300 molecule-like family member d	0,297089478	6,74E-08	2,38E-06	8,368992738
kinesin family member 5C	4,231838989	6,75E-08	2,38E-06	8,367629739
formyl peptide receptor 1	3,589761236	6,82E-08	2,40E-06	8,356462963
signal transducer and activator of transcription 1	2,627850772	6,99E-08	2,46E-06	8,331023099
reticulon 1	3,581984012	7,26E-08	2,55E-06	8,291910442
tetratricopeptide repeat domain 39C	2,508029302	7,31E-08	2,56E-06	8,285264959
MICAL-like 2	2,974160951	7,38E-08	2,58E-06	8,274637335
family with sequence similarity 169, member B	4,2204283	7,56E-08	2,64E-06	8,250127501
asparagine synthetase	2,616495758	7,59E-08	2,64E-06	8,245033708
NEDD4 binding protein 2-like 1	0,416246351	7,63E-08	2,65E-06	8,240327187
glycine C-acetyltransferase (2-amino-3-ketobutyrate-coenzyme A ligase)	0,30249285	7,73E-08	2,68E-06	8,226472463
RIKEN cDNA B930041F14 gene	0,384568642	7,73E-08	2,68E-06	8,226399556
G1 to S phase transition 2	0,366718603	7,88E-08	2,73E-06	8,206326437
phosphatidylinositol 3 kinase, regulatory subunit, polypeptide 3 (p55)	0,408017743	8,00E-08	2,76E-06	8,191021323
collagen, type IV, alpha 2	5,792225696	8,04E-08	2,77E-06	8,186057603
prostaglandin E synthase	4,149215877	8,08E-08	2,78E-06	8,18088383
solute carrier family 48 (heme transporter), member 1	0,405084799	8,15E-08	2,80E-06	8,171062178
SH3 domain binding glutamic acid-rich protein like 2	2,550208166	8,24E-08	2,83E-06	8,160408029
claudin 10	0,40381738	8,33E-08	2,85E-06	8,149257288
kallikrein 1-related peptidase b11	0,419589217	8,36E-08	2,86E-06	8,144997809
CD180 antigen	0,291705771	8,40E-08	2,87E-06	8,139997799
interferon gamma inducible protein 30	0,406215025	8,55E-08	2,91E-06	8,12134743
cDNA sequence BC028528	0,417261123	8,65E-08	2,94E-06	8,109831389
FYVE, RhoGEF and PH domain containing 6	0,410745616	9,04E-08	3,07E-06	8,063801732
mcf.2 transforming sequence-like	0,356217756	9,28E-08	3,15E-06	8,03627416
growth factor receptor bound protein 2-associated protein 3	0,373295435	9,38E-08	3,17E-06	8,025063518
sortilin 1	0,387079757	9,50E-08	3,21E-06	8,011948147
tensin 3	0,42509213	9,63E-08	3,25E-06	7,998064945
dual specificity phosphatase 16	2,291898491	9,64E-08	3,25E-06	7,996167495
microfibrillar-associated protein 3-like	3,683763738	9,73E-08	3,27E-06	7,986699172
solute carrier family 39 (metal ion transporter), member 11	0,422479533	9,73E-08	3,27E-06	7,986628138
superoxide dismutase 2, mitochondrial	2,55279025	9,75E-08	3,27E-06	7,984147202
solute carrier family 19 (sodium/hydrogen exchanger), member 1	0,407212818	9,88E-08	3,30E-06	7,971318698
toll-like receptor 4	0,3761412	9,92E-08	3,31E-06	7,966308458
RIKEN cDNA 9130014G24 gene	2,774350716	9,96E-08	3,32E-06	7,962538976
solute carrier organic anion transporter family, member 2b1	0,350268182	9,96E-08	3,32E-06	7,962196987
special AT-rich sequence binding protein 1	2,971191019	9,98E-08	3,32E-06	7,960514327
G protein-coupled receptor 155	0,412841622	1,01E-07	3,34E-06	7,952059207
formin-like 2	0,435808425	1,01E-07	3,35E-06	7,945920916
RIKEN cDNA 1500003O03 gene	2,68750847	1,02E-07	3,38E-06	7,9365098
CDC42 effector protein (Rho GTPase binding) 2	2,405157979	1,03E-07	3,39E-06	7,931135956
5'-nucleotidase, cytosolic III	2,413035758	1,04E-07	3,42E-06	7,921062011
thiosulfate sulfurtransferase, mitochondrial	0,339930471	1,04E-07	3,43E-06	7,914514652
galactose-3-O-sulfotransferase 1	2,581739025	1,05E-07	3,45E-06	7,90783439
tropomodulin 2	0,369411628	1,06E-07	3,47E-06	7,900478968
Kruppel-like factor 5	2,961684317	1,06E-07	3,49E-06	7,893855096
adenosine A2b receptor	2,58205945	1,07E-07	3,50E-06	7,886099468
adenylate kinase 8	0,33621133	1,07E-07	3,50E-06	7,885012611
solute carrier family 29 (nucleoside transporters), member 3	0,406209463	1,09E-07	3,54E-06	7,872415117
Rap guanine nucleotide exchange factor (GEF) 5	2,984349897	1,09E-07	3,55E-06	7,867696343
heat shock protein 90, alpha (cytosolic), class A member 1	2,750809976	1,11E-07	3,59E-06	7,853956302
RIKEN cDNA 1500003O03 gene	2,848159262	1,13E-07	3,66E-06	7,832047802
prune homolog 2 (Drosophila)	0,368133627	1,14E-07	3,68E-06	7,826173026
immunity-related GTPase family M member 2	2,665953419	1,16E-07	3,75E-06	7,804319454
amylo-1,6-glucosidase, 4-alpha-glucanotransferase	0,406624157	1,16E-07	3,75E-06	7,801688091
testis derived transcript	2,67812087	1,17E-07	3,76E-06	7,798470043
uridine-cytidine kinase 2	2,365424775	1,17E-07	3,76E-06	7,795971675
ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 3	0,320362678	1,19E-07	3,83E-06	7,774358143
carnitine acetyltransferase	0,418660084	1,20E-07	3,84E-06	7,77180313
solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	3,087719209	1,22E-07	3,92E-06	7,747188342
tribbles homolog 3 (Drosophila)	2,901693052	1,23E-07	3,94E-06	7,741361993
lymphocyte antigen 6 complex, locus A	3,250769509	1,25E-07	4,00E-06	7,723703676
D site albumin promoter binding protein	0,297653842	1,27E-07	4,04E-06	7,712283453

acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A thiolase)	0,332519683	1,29E-07	4,11E-06	7,691415695
dipeptidase 2	0,339068877	1,29E-07	4,11E-06	7,690226624
suppression of tumorigenicity 5	2,511850097	1,31E-07	4,17E-06	7,672950663
RIKEN cDNA 9930111J21 gene 1	0,316610383	1,32E-07	4,20E-06	7,665528224
DnaJ (Hsp40) homolog, subfamily B, member 6	2,173068307	1,33E-07	4,22E-06	7,657803836
synaptotagmin VII	3,254218699	1,34E-07	4,23E-06	7,654674318
prosaposin	0,444812854	1,35E-07	4,25E-06	7,648454787
RIKEN cDNA 2810025M15 gene	0,391464051	1,35E-07	4,27E-06	7,642181048
c-mer proto-oncogene tyrosine kinase	0,243066606	1,36E-07	4,28E-06	7,637776386
granulin	0,443681569	1,37E-07	4,30E-06	7,63166253
ankyrin repeat and SOCS box-containing 2	0,36648829	1,38E-07	4,32E-06	7,625382213
ectonucleotide pyrophosphatase/phosphodiesterase 2	3,854335228	1,40E-07	4,39E-06	7,605977309
toll-like receptor 7	0,238318746	1,41E-07	4,40E-06	7,60266399
dual specificity phosphatase 16	2,866014546	1,44E-07	4,48E-06	7,580344904
nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon	2,438705117	1,44E-07	4,48E-06	7,580149716
SEC14 and spectrin domains 1	2,183907774	1,44E-07	4,50E-06	7,574394909
uridine-cytidine kinase 2	2,443410504	1,46E-07	4,53E-06	7,565000808
solute carrier family 15, member 3	2,926922978	1,49E-07	4,64E-06	7,539189335
ERO1-like beta (S. cerevisiae)	0,347631488	1,50E-07	4,66E-06	7,53314036
poly(rC) binding protein 4	2,322476942	1,51E-07	4,66E-06	7,529871311
serine incorporator 3	0,45553358	1,51E-07	4,66E-06	7,529476158
PQ loop repeat containing 1	0,417545962	1,52E-07	4,68E-06	7,522750296
neuritin 1-like	3,089462594	1,53E-07	4,70E-06	7,516376494
tetratricopeptide repeat domain 3	0,442582775	1,54E-07	4,74E-06	7,506734572
enhancer trap locus 4	0,392984872	1,56E-07	4,79E-06	7,492534327
GM2 ganglioside activator protein	0,351692608	1,56E-07	4,79E-06	7,492381636
unc-93 homolog B1 (C. elegans)	0,420220622	1,57E-07	4,80E-06	7,489011794
transferrin receptor	0,414660655	1,59E-07	4,86E-06	7,472916384
RIKEN cDNA 9030425E11 gene	3,861862336	1,59E-07	4,86E-06	7,472293647
zinc finger, MYM-type 3	2,740041581	1,60E-07	4,87E-06	7,468704144
interferon gamma induced GTPase	3,372499736	1,65E-07	5,02E-06	7,435108285
nudix (nucleoside diphosphate linked moiety X)-type motif 19	0,424362183	1,65E-07	5,02E-06	7,434796571
patatin-like phospholipase domain containing 7	0,379435817	1,65E-07	5,02E-06	7,432839914
kallikrein 1-related peptidase b1	0,379247543	1,66E-07	5,03E-06	7,428707003
PDZ and LIM domain 7	2,379224109	1,66E-07	5,03E-06	7,427945694
latent transforming growth factor beta binding protein 3	0,324339923	1,68E-07	5,06E-06	7,420063949
sema domain, immunoglobulin domain (Ig), TM domain, and short cytoplasmic domain	3,500417125	1,68E-07	5,06E-06	7,417210234
Musashi homolog 2 (Drosophila)	2,556529384	1,68E-07	5,06E-06	7,416395922
calcium and integrin binding family member 3	0,377579001	1,69E-07	5,09E-06	7,409188066
phosphatidic acid phosphatase type 2C	0,447989594	1,72E-07	5,17E-06	7,391712693
unc-93 homolog B1 (C. elegans)	0,410910772	1,72E-07	5,17E-06	7,390014369
2'-5' oligoadenylate synthetase-like 2	5,944867229	1,76E-07	5,26E-06	7,369936548
KDM1 lysine (K)-specific demethylase 6B	3,072590577	1,76E-07	5,26E-06	7,368208479
protein kinase, cAMP dependent regulatory, type II beta	2,562783825	1,76E-07	5,27E-06	7,365983337
GRIP1 associated protein 1	0,426952269	1,79E-07	5,34E-06	7,350640127
actin, alpha 2, smooth muscle, aorta	0,214264524	1,80E-07	5,34E-06	7,346947907
FYVE, RhoGEF and PH domain containing 6	0,405251091	1,80E-07	5,34E-06	7,346605688
lysine (K)-specific demethylase 4A	2,661342777	1,81E-07	5,38E-06	7,338558086
colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)	0,420728798	1,84E-07	5,46E-06	7,321492507
lysophosphatidic acid receptor 3	0,414262903	1,85E-07	5,47E-06	7,317412786
fibrosin-like 1	0,455733099	1,85E-07	5,47E-06	7,315713067
opioid growth factor receptor	2,298935091	1,86E-07	5,48E-06	7,313161705
transmembrane protein 41a	0,342716004	1,87E-07	5,52E-06	7,304478965
RIKEN cDNA 4632428N05 gene	0,394808554	1,91E-07	5,62E-06	7,283451693
fatty acid desaturase 1	0,445443671	1,98E-07	5,81E-06	7,246442332
diacylglycerol kinase zeta	0,388124349	1,99E-07	5,82E-06	7,242065055
small proline-rich protein 2D	3,260298569	1,99E-07	5,82E-06	7,241654114
pyrimidinergic receptor P2Y, G-protein coupled, 6	0,418194377	2,03E-07	5,93E-06	7,22165374
transmembrane protein 82	0,379194644	2,05E-07	6,00E-06	7,206930243
whirlin	2,474309151	2,11E-07	6,17E-06	7,177298163
ankyrin repeat domain 37	5,350765819	2,13E-07	6,20E-06	7,170104219
killer cell lectin-like receptor family I member 1	2,958929774	2,14E-07	6,22E-06	7,165205211
NAD(P)H dehydrogenase, quinone 2	0,416594981	2,19E-07	6,36E-06	7,141037318
uridine-cytidine kinase 2	2,456091655	2,20E-07	6,37E-06	7,137650489
transgelin 2	2,27662896	2,20E-07	6,38E-06	7,134675635
protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alph	4,31285625	2,23E-07	6,46E-06	7,120050186
aminolevulinic acid synthase 1	0,471827039	2,25E-07	6,50E-06	7,112805216
solute carrier family 25 (mitochondrial carrier, dicarboxylate transporter), member 10	0,370678567	2,25E-07	6,50E-06	7,110483993
Gem-interacting protein	0,402740195	2,27E-07	6,54E-06	7,102552315
tensin 1	0,374918613	2,28E-07	6,57E-06	7,096320951
serglycin	4,548029947	2,29E-07	6,59E-06	7,092902056
cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial	2,651005109	2,30E-07	6,59E-06	7,090205518
tubulin, beta 6	2,13333018	2,34E-07	6,71E-06	7,070473433
sorting nexin 18	2,224381363	2,36E-07	6,77E-06	7,060335956
mitogen-activated protein kinase kinase 1	3,984515075	2,38E-07	6,80E-06	7,052548907
cDNA sequence AB124611	0,27361553	2,39E-07	6,80E-06	7,050382799
glutathione peroxidase 3	0,346332017	2,39E-07	6,80E-06	7,050059482
predicted gene 7120	0,419387738	2,44E-07	6,95E-06	7,026702892
acetyl-Coenzyme A carboxylase alpha	0,443851672	2,45E-07	6,97E-06	7,022163167
follistatin-like 1	2,481360254	2,47E-07	7,01E-06	7,014199991
START domain containing 7	0,463179847	2,47E-07	7,01E-06	7,013592351

oligonucleotide/oligosaccharide-binding fold containing 2A	0,451047704	2,48E-07	7,01E-06	7,011920988
ketohexokinase	0,426405126	2,51E-07	7,08E-06	6,99951594
lamin A	0,411612144	2,53E-07	7,14E-06	6,989164262
a disintegrin and metallopeptidase domain 15 (metargidin)	0,449446977	2,68E-07	7,54E-06	6,931397508
osteoclast stimulating factor 1	2,115098958	2,73E-07	7,69E-06	6,909459988
tumor necrosis factor, alpha-induced protein 8-like 2	0,434387855	2,76E-07	7,76E-06	6,899098909
hemolytic complement	2,758736534	2,77E-07	7,78E-06	6,894337302
Sad1 and UNC84 domain containing 2	0,441230584	2,78E-07	7,78E-06	6,893033467
family with sequence similarity 98, member C	0,4632408	2,78E-07	7,79E-06	6,88967306
RIKEN cDNA 2510009E07 gene	0,334735612	2,79E-07	7,79E-06	6,888376499
Fc receptor-like S, scavenger receptor	0,410712764	2,81E-07	7,84E-06	6,881228753
acidic (leucine-rich) nuclear phosphoprotein 32 family, member A	2,374747389	2,83E-07	7,89E-06	6,873182793
HtrA serine peptidase 4	2,696104081	2,85E-07	7,93E-06	6,866389257
castor homolog 1, zinc finger (Drosophila)	3,46847645	2,91E-07	8,10E-06	6,841989187
SH3 and cysteine rich domain 2	0,412142705	2,95E-07	8,19E-06	6,829861288
two pore channel 1	0,322521443	2,98E-07	8,27E-06	6,818164074
Mediterranean fever	2,187069837	3,01E-07	8,34E-06	6,807396707
leukocyte-associated Ig-like receptor 1	0,399332081	3,04E-07	8,40E-06	6,798572112
Ras-related GTP binding D	0,365364963	3,06E-07	8,45E-06	6,790740865
interleukin 15 receptor, alpha chain	2,133030681	3,12E-07	8,61E-06	6,770678181
Rap guanine nucleotide exchange factor (GEF) 2	2,437236069	3,13E-07	8,62E-06	6,767813851
sorting nexing 24	0,351545075	3,16E-07	8,68E-06	6,758673639
ADAMTS-like 5	0,455818729	3,17E-07	8,72E-06	6,752864364
solute carrier family 7 (cationic amino acid transporter, y+ system), member 5	2,577466347	3,18E-07	8,73E-06	6,750575626
acyl-Coenzyme A dehydrogenase, medium chain	2,109398912	3,21E-07	8,79E-06	6,741959446
tec protein tyrosine kinase	0,369728418	3,26E-07	8,91E-06	6,724819096
protein phosphatase 1, catalytic subunit, beta isoform	2,219237525	3,26E-07	8,91E-06	6,724490937
membrane protein, palmitoylated	0,430002394	3,27E-07	8,93E-06	6,721203289
synaptophysin-like protein	0,441200134	3,31E-07	9,03E-06	6,707964957
xenotropic and polytropic retrovirus receptor 1	0,466583916	3,38E-07	9,18E-06	6,688819036
phospholipid scramblase 4	0,375102477	3,45E-07	9,39E-06	6,66478777
colony stimulating factor 1 receptor	0,387610482	3,47E-07	9,41E-06	6,660713278
lipoma HMGIC fusion partner-like 2	0,367124222	3,52E-07	9,53E-06	6,645946054
protein phosphatase 1, regulatory (inhibitor) subunit 1A	0,249409494	3,54E-07	9,57E-06	6,640249437
G protein-coupled receptor 137B, pseudogene	0,452721336	3,60E-07	9,73E-06	6,621920349
phosphoprotein enriched in astrocytes 15A	0,460961663	3,64E-07	9,82E-06	6,610907656
myosin VIIA	0,321462798	3,65E-07	9,83E-06	6,608280685
nuclear receptor subfamily 4, group A, member 2	2,451955992	3,66E-07	9,86E-06	6,603684219
claudin 10	0,386471283	3,67E-07	9,88E-06	6,600499592
prostaglandin I receptor (IP)	0,323821706	3,76E-07	1,01E-05	6,57728207
nitric oxide synthase 2, inducible	2,369779341	3,76E-07	1,01E-05	6,575788107
single stranded DNA binding protein 4	0,416553235	3,77E-07	1,01E-05	6,573148048
a disintegrin and metallopeptidase domain 8	0,455924115	3,78E-07	1,01E-05	6,570385781
phosphodiesterase 4D interacting protein (myomegalin)	0,417914478	3,79E-07	1,01E-05	6,569118748
glutathione S-transferase, theta 1	2,890544596	3,80E-07	1,01E-05	6,564921309
ceramide kinase	0,476941262	3,80E-07	1,01E-05	6,563815916
megakaryocyte-associated tyrosine kinase	0,31070866	3,83E-07	1,02E-05	6,556602286
H2A histone family, member Y	2,040451425	3,87E-07	1,03E-05	6,545753192
promyelocytic leukemia	2,702011785	3,90E-07	1,03E-05	6,538731409
glycoprotein (transmembrane) nmb	0,362306694	3,92E-07	1,04E-05	6,532409139
FK506 binding protein 1a	2,114334883	3,97E-07	1,05E-05	6,520335444
solute carrier family 29 (nucleoside transporters), member 1	0,299420972	3,97E-07	1,05E-05	6,51945939
CD63 antigen	0,444461694	3,98E-07	1,05E-05	6,517694472
WD repeat domain 86	0,284929228	4,01E-07	1,06E-05	6,510050874
RIKEN cDNA 5430435G22 gene	0,401868539	4,08E-07	1,07E-05	6,491420066
microsomal glutathione S-transferase 1	0,425034476	4,14E-07	1,09E-05	6,474775556
adrenergic receptor, alpha 2a	2,622988659	4,23E-07	1,11E-05	6,453967195
IKAROS family zinc finger 4	2,819106791	4,23E-07	1,11E-05	6,453372741
prosaposin	0,431123006	4,35E-07	1,14E-05	6,4243364
splA/ryanodine receptor domain and SOCS box containing 4	0,411461494	4,36E-07	1,14E-05	6,422013485
neuron navigator 1	0,486922052	4,36E-07	1,14E-05	6,420364924
cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)	0,391820061	4,39E-07	1,14E-05	6,414714388
immunity-related GTPase family M member 1	2,951674557	4,39E-07	1,14E-05	6,41439126
Gem-interacting protein	0,490834306	4,42E-07	1,15E-05	6,406707448
protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alph	2,586111799	4,44E-07	1,15E-05	6,402229474
killer cell lectin-like receptor subfamily B member 1B	2,376074507	4,52E-07	1,17E-05	6,383458797
tetratricopeptide repeat domain 3	0,489168151	4,58E-07	1,19E-05	6,370439161
RIKEN cDNA 4833442J19 gene	2,089481143	4,59E-07	1,19E-05	6,368237007
mucosa associated lymphoid tissue lymphoma translocation gene 1	2,436753955	4,66E-07	1,20E-05	6,353032068
cytochrome P450, family 4, subfamily f, polypeptide 18	0,309128735	4,71E-07	1,22E-05	6,340654128
hydroxysteroid (17-beta) dehydrogenase 4	0,488372281	4,74E-07	1,22E-05	6,333626611
integrin alpha FG-GAP repeat containing 3	0,464711694	4,78E-07	1,23E-05	6,326436986
secreted phosphoprotein 1	0,39253897	4,78E-07	1,23E-05	6,32441733
RIKEN cDNA 2310035K24 gene	0,445729865	4,79E-07	1,23E-05	6,323268742
RIKEN cDNA 2510009E07 gene	0,36924981	4,80E-07	1,23E-05	6,320209119
poly (ADP-ribose) polymerase family, member 14	2,201131893	4,81E-07	1,23E-05	6,319353748
carbonyl reductase 3	0,33052163	4,85E-07	1,24E-05	6,311178843
syndecan binding protein (syntenin) 2	2,33453539	4,93E-07	1,26E-05	6,292224486
cathepsin L	0,41379279	5,02E-07	1,28E-05	6,274002178
myosin VA	0,427207408	5,05E-07	1,29E-05	6,268046409
calcium and integrin binding 1 (calmyrin)	2,171542679	5,08E-07	1,30E-05	6,261330344

phospholipase D family, member 3	0,343180169	5,11E-07	1,30E-05	6,255648592
disabled homolog 2 (Drosophila)	2,604700188	5,11E-07	1,30E-05	6,255591193
a disintegrin and metallopeptidase domain 23	0,281927023	5,12E-07	1,30E-05	6,25353132
signaling lymphocytic activation molecule family member 1	2,076205366	5,17E-07	1,31E-05	6,244116927
ribosomal protein L3-like	0,399944549	5,22E-07	1,32E-05	6,234000096
histocompatibility 2, T region locus 22	2,221496987	5,25E-07	1,33E-05	6,227279082
peptidylprolyl isomerase C	0,389803773	5,32E-07	1,34E-05	6,214348827
spermatid perinuclear RNA binding protein	0,453192524	5,33E-07	1,34E-05	6,212132523
small EDRK-rich factor 1	2,236702218	5,41E-07	1,36E-05	6,196756827
a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 9	2,536458053	5,43E-07	1,37E-05	6,191812069
ST3 beta-galactoside alpha-2,3-sialyltransferase 1	2,390609356	5,45E-07	1,37E-05	6,189228294
ADP-ribosylation factor-like 8B	0,459782288	5,54E-07	1,39E-05	6,172158615
acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A thiolase)	0,44082335	5,67E-07	1,42E-05	6,14757589
hexokinase 3	0,399790531	5,68E-07	1,42E-05	6,146162909
histocompatibility 2, T region locus 22	2,028445552	5,70E-07	1,42E-05	6,140953176
C-type lectin domain family 7, member a	0,231493466	5,71E-07	1,42E-05	6,140308973
lysophosphatidylglycerol acyltransferase 1	0,401347612	5,73E-07	1,43E-05	6,135420398
lectin, galactose binding, soluble 8	0,459927536	5,74E-07	1,43E-05	6,13427655
melanoregulin	0,475863908	5,82E-07	1,45E-05	6,119869843
deltex 2 homolog (Drosophila)	2,151612375	5,90E-07	1,46E-05	6,106349002
retinol saturase (all trans retinol 13,14 reductase)	0,448942173	5,91E-07	1,47E-05	6,10296311
WD repeat and SOCS box-containing 2	0,465177329	5,93E-07	1,47E-05	6,100300454
tetratricopeptide repeat domain 39C	2,230374024	5,97E-07	1,48E-05	6,093886435
estrogen receptor 1 (alpha)	2,281272863	5,97E-07	1,48E-05	6,093453857
adenosine kinase	0,418009336	6,08E-07	1,50E-05	6,073482571
cAMP responsive element binding protein 5	2,303713212	6,09E-07	1,50E-05	6,072557819
thioredoxin interacting protein	0,393378477	6,22E-07	1,53E-05	6,051201623
RIKEN cDNA 2810474O19 gene	2,463428202	6,24E-07	1,54E-05	6,046661671
RIKEN cDNA 1700113I22 gene	3,00750085	6,26E-07	1,54E-05	6,043566207
inhibitor of DNA binding 2	2,249306526	6,27E-07	1,54E-05	6,041371867
ubiquitin specific peptidase 53	2,212505237	6,32E-07	1,55E-05	6,033750039
phosphatidic acid phosphatase type 2A	3,119229343	6,34E-07	1,55E-05	6,030194006
glyceraldehyde-3-phosphate dehydrogenase pseudogene	2,798748957	6,44E-07	1,57E-05	6,014857583
ketohexokinase	0,464646603	6,45E-07	1,58E-05	6,012271953
syndecan binding protein	0,475318766	6,46E-07	1,58E-05	6,011180267
thyroglobulin	2,933296472	6,60E-07	1,61E-05	5,988420323
archaelysin family metallopeptidase 1	0,395464732	6,63E-07	1,61E-05	5,983006349
mucolipin 3	0,359983406	6,68E-07	1,62E-05	5,975551694
peripheral myelin protein 22	2,324455252	6,83E-07	1,66E-05	5,952708776
FtsJ methyltransferase domain containing 2	2,062058953	6,88E-07	1,67E-05	5,945079859
huntingtin-associated protein 1	0,395509152	6,91E-07	1,67E-05	5,939968303
abhydrolase domain containing 12	0,398626598	6,97E-07	1,69E-05	5,931797336
grancalcin	0,350041022	7,09E-07	1,71E-05	5,914076029
sialic acid binding Ig-like lectin G	2,680927199	7,11E-07	1,72E-05	5,910686331
cDNA sequence BC028528	0,449362933	7,12E-07	1,72E-05	5,908712143
Fanconi anemia, complementation group D2	0,35453356	7,23E-07	1,74E-05	5,892576998
phosphoinositide-3-kinase, regulatory subunit 6	2,261872653	7,26E-07	1,75E-05	5,888203335
FXYD domain-containing ion transport regulator 5	0,485319142	7,32E-07	1,76E-05	5,87995293
interleukin 27 receptor, alpha	0,449073175	7,37E-07	1,77E-05	5,872664302
chemokine (C-X-C motif) ligand 5	4,203257091	7,38E-07	1,77E-05	5,872429206
phorbol-12-myristate-13-acetate-induced protein 1	0,440946486	7,39E-07	1,77E-05	5,870292942
biglycan	0,407809679	7,39E-07	1,77E-05	5,869761196
solute carrier family 25 (mitochondrial carrier, palmitoylcarnitine transporter), member 29	0,444451663	7,40E-07	1,77E-05	5,869510859
calcium-binding tyrosine-(Y)-phosphorylation regulated (fibrousheathin 2)	3,125821399	7,40E-07	1,77E-05	5,868337633
purine-nucleoside phosphorylase	2,033170218	7,41E-07	1,77E-05	5,866930853
WNK lysine deficient protein kinase 1	2,3914993	7,56E-07	1,80E-05	5,846838925
DTW domain containing 1	2,73802506	7,57E-07	1,80E-05	5,844789106
stromal cell-derived factor 2-like 1	0,391992568	7,58E-07	1,80E-05	5,843969883
transmembrane 6 superfamily member 1	0,452990542	7,60E-07	1,80E-05	5,841140676
Rho guanine nucleotide exchange factor (GEF) 4	0,431992679	7,61E-07	1,80E-05	5,839814215
pleckstrin homology domain containing, family G (with RhoGef domain) member 3	2,07766459	7,63E-07	1,80E-05	5,837594699
lamin A	0,461335708	7,70E-07	1,82E-05	5,827876758
glycerol phosphate dehydrogenase 2, mitochondrial	2,356293857	7,85E-07	1,85E-05	5,807134805
protein phosphatase 1, catalytic subunit, beta isoform	2,094203191	7,88E-07	1,86E-05	5,802681101
sorting nexin family member 27	0,472794928	7,94E-07	1,87E-05	5,795250916
H2A histone family, member Y	2,536926544	8,08E-07	1,90E-05	5,776469867
SH3-binding kinase 1	0,465576254	8,17E-07	1,92E-05	5,764892
triggering receptor expressed on myeloid cells 3	4,169881478	8,18E-07	1,92E-05	5,763614326
lactamase, beta	2,04383235	8,31E-07	1,95E-05	5,74796356
family with sequence similarity 133, member B	2,457723616	8,34E-07	1,95E-05	5,743778813
potassium channel tetramerisation domain containing 14	4,201197035	8,38E-07	1,96E-05	5,739569169
microtubule-associated protein, RP/EB family, member 2	0,452139635	8,49E-07	1,98E-05	5,725463244
solute carrier organic anion transporter family, member 3a1	2,759037493	8,49E-07	1,98E-05	5,724965131
MARCKS-like 1	2,046248128	8,85E-07	2,06E-05	5,682408226
family with sequence similarity 46, member A	2,128909524	8,89E-07	2,07E-05	5,677159149
HEAT repeat containing 7A	0,469844496	8,90E-07	2,07E-05	5,675738233
kallikrein 1-related peptidase b27	0,388729986	8,95E-07	2,08E-05	5,670528735
transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	2,02363041	8,96E-07	2,08E-05	5,669222635
importin 13	0,490561222	9,06E-07	2,10E-05	5,657927483
WD repeat domain 41	0,471644005	9,08E-07	2,10E-05	5,654964489
actin, alpha 2, smooth muscle, aorta	0,288273127	9,13E-07	2,11E-05	5,64981949

RIKEN cDNA 2610528A11 gene	0,344583096	9,21E-07	2,12E-05	5,640257397
vaccinia related kinase 2	0,473179938	9,24E-07	2,13E-05	5,636508699
uridine phosphorylase 1	2,310937808	9,25E-07	2,13E-05	5,635451006
RAN binding protein 2	2,100344816	9,36E-07	2,15E-05	5,623064986
erythrocyte protein band 4.1-like 1	0,434586826	9,44E-07	2,17E-05	5,614973178
ubiquitin family domain containing 1	2,028323281	9,46E-07	2,17E-05	5,611822384
carbonic anhydrase 2	2,143647143	9,50E-07	2,18E-05	5,607510725
dolichyl pyrophosphate phosphatase 1	0,439740391	9,52E-07	2,18E-05	5,606097794
FCH and double SH3 domains 2	2,197929322	9,52E-07	2,18E-05	5,605288262
carbohydrate (chondroitin 6/keratan) sulfotransferase 3	2,352877474	9,59E-07	2,19E-05	5,597836604
dual specificity phosphatase 23	0,486455036	9,69E-07	2,21E-05	5,587599112
laminin, gamma 1	2,049697459	9,84E-07	2,24E-05	5,570765409
RAB31, member RAS oncogene family	0,457293547	9,87E-07	2,24E-05	5,568378985
ATPase type 13A2	0,410785208	1,01E-06	2,30E-05	5,539704195
ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	0,426682286	1,02E-06	2,31E-05	5,533379119
glucosaminyl (N-acetyl) transferase 1, core 2	0,486828783	1,06E-06	2,39E-05	5,495252134
syndecan binding protein	0,485840115	1,07E-06	2,41E-05	5,483762543
killer cell lectin-like receptor family I member 1	2,579266596	1,07E-06	2,41E-05	5,482131347
neuron navigator 1	0,485461965	1,08E-06	2,42E-05	5,477634142
zinc finger CCCH type containing 12A	2,115150031	1,08E-06	2,43E-05	5,47402459
peripheral myelin protein 22	2,277738468	1,09E-06	2,44E-05	5,464775511
caspase 2	2,057133335	1,10E-06	2,46E-05	5,456723808
connective tissue growth factor	0,407957189	1,10E-06	2,46E-05	5,45662101
cadherin-related family member 1	0,310063717	1,10E-06	2,46E-05	5,45427214
RIKEN cDNA 2410002F23 gene	0,487907067	1,13E-06	2,52E-05	5,429232886
SAM and SH3 domain containing 3	0,46475729	1,14E-06	2,53E-05	5,421491063
mannosidase, beta A, lysosomal	0,498549507	1,15E-06	2,55E-05	5,411767276
hydrogen voltage-gated channel 1	0,464495001	1,18E-06	2,63E-05	5,378776428
acyl-CoA synthetase short-chain family member 2	0,442171383	1,20E-06	2,66E-05	5,363913731
RIKEN cDNA 2400003C14 gene	3,541195109	1,21E-06	2,67E-05	5,357654526
transmembrane 4 superfamily member 5	0,433633214	1,21E-06	2,67E-05	5,357295603
insulin-like growth factor 2	2,302207929	1,22E-06	2,69E-05	5,348916098
hepcidin antimicrobial peptide	4,223205855	1,22E-06	2,69E-05	5,348703867
FYVE, RhoGEF and PH domain containing 2	0,424652263	1,23E-06	2,71E-05	5,337990092
topoisomerase (DNA) I	2,773770193	1,23E-06	2,71E-05	5,335987808
LON peptidase N-terminal domain and ring finger 3	0,436801579	1,24E-06	2,73E-05	5,328151931
interleukin 15 receptor, alpha chain	2,171239476	1,24E-06	2,73E-05	5,325462534
Bmi1 polycomb ring finger oncogene	2,045148703	1,25E-06	2,74E-05	5,321480304
brain protein 44	0,489151106	1,26E-06	2,75E-05	5,316801911
carbohydrate sulfotransferase 11	2,330592816	1,26E-06	2,75E-05	5,314061776
serum/glucocorticoid regulated kinase 3	0,483011133	1,27E-06	2,76E-05	5,308281564
calcium and integrin binding family member 2	0,466242911	1,27E-06	2,78E-05	5,30144164
GATS protein-like 3	2,114137083	1,28E-06	2,79E-05	5,295557196
syndecan binding protein	0,466731681	1,29E-06	2,80E-05	5,291222995
solute carrier organic anion transporter family, member 3a1	2,730180274	1,31E-06	2,85E-05	5,269819204
cDNA sequence BC024659	0,461518791	1,32E-06	2,86E-05	5,263579059
hexosaminidase A	0,445858421	1,33E-06	2,87E-05	5,256750527
deltex 2 homolog (Drosophila)	2,195441741	1,33E-06	2,87E-05	5,256172501
dipeptidase 2	0,366045011	1,33E-06	2,87E-05	5,255242655
signal transducer and activator of transcription 3	2,276655884	1,33E-06	2,87E-05	5,25522533
Ras association (RalGDS/AF-6) domain family member 4	0,483431183	1,34E-06	2,89E-05	5,248737997
lipase, family member N	0,335408156	1,39E-06	2,99E-05	5,211295126
dual specificity phosphatase 2	2,781129425	1,39E-06	3,00E-05	5,206926988
fumarylacetoacetate hydrolase	2,178809396	1,41E-06	3,02E-05	5,197313948
myosin, light polypeptide 9, regulatory	0,48646297	1,41E-06	3,02E-05	5,196327844
sigma non-opioid intracellular receptor 1	0,490981664	1,43E-06	3,05E-05	5,183086873
DNA-damage regulated autophagy modulator 1	0,47235481	1,43E-06	3,06E-05	5,1800118
CUGBP, Elav-like family member 6	2,647653986	1,44E-06	3,08E-05	5,172092847
DNA segment, Chr 16, ERATO Doi 472, expressed	2,149867016	1,44E-06	3,08E-05	5,169909473
Rho GTPase activating protein 9	0,472567907	1,45E-06	3,09E-05	5,165812546
interleukin 28 receptor alpha	0,425634791	1,45E-06	3,09E-05	5,16439996
glucuronidase, beta	0,449158139	1,46E-06	3,10E-05	5,161864741
annexin A1	0,400271948	1,48E-06	3,15E-05	5,142328941
matrix metallopeptidase 13	5,922580062	1,49E-06	3,15E-05	5,13999366
integrin alpha 5 (fibronectin receptor alpha)	2,186262473	1,49E-06	3,16E-05	5,136648757
Rap guanine nucleotide exchange factor (GEF) 5	2,559405428	1,50E-06	3,17E-05	5,127339776
solute carrier organic anion transporter family, member 4a1	0,450831772	1,50E-06	3,17E-05	5,127332554
jumonji C domain-containing histone demethylase 1 homolog D (S. cerevisiae)	0,486964771	1,51E-06	3,19E-05	5,122412151
deltex 3-like (Drosophila)	2,761896213	1,52E-06	3,19E-05	5,118710258
FK506 binding protein 1b	0,463218919	1,52E-06	3,19E-05	5,117511684
3'-phosphoadenosine 5'-phosphosulfate synthase 2	0,424063806	1,53E-06	3,20E-05	5,112362717
wingless-related MMTV integration site 6	2,17503244	1,53E-06	3,20E-05	5,111234524
integrin alpha V	2,552804651	1,53E-06	3,21E-05	5,107158378
tetraspanin 4	0,430890981	1,54E-06	3,21E-05	5,105310195
SAM domain, SH3 domain and nuclear localization signals, 1	2,492165934	1,54E-06	3,21E-05	5,105262044
tumor necrosis factor receptor superfamily, member 4	0,445686689	1,54E-06	3,22E-05	5,102188927
predicted gene 5590	0,41947075	1,55E-06	3,22E-05	5,099117276
insulin-like growth factor I receptor	2,108179968	1,57E-06	3,27E-05	5,080350396
RIKEN cDNA 6030429G01 gene	0,478342809	1,58E-06	3,28E-05	5,075214985
adenosine deaminase, RNA-specific	2,450334934	1,58E-06	3,28E-05	5,074806513
adenosine kinase	0,293923567	1,59E-06	3,29E-05	5,072149646

poly(A) polymerase gamma	0,498488981	1,59E-06	3,29E-05	5,070360449
tumor necrosis factor (ligand) superfamily, member 8	2,130385641	1,61E-06	3,31E-05	5,058709357
cell division cycle 7 (S. cerevisiae)	0,415761448	1,61E-06	3,32E-05	5,055151621
signal transducer and activator of transcription 3	2,230313303	1,62E-06	3,33E-05	5,05148168
translocator protein	2,030551522	1,65E-06	3,39E-05	5,031039829
spermine oxidase	2,173613094	1,67E-06	3,42E-05	5,018815106
vacuolar protein sorting 26 homolog B (yeast)	3,820870301	1,67E-06	3,42E-05	5,018449664
chemokine (C-X-C motif) ligand 10	3,615620711	1,71E-06	3,50E-05	4,992851597
adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 2	0,496167965	1,72E-06	3,51E-05	4,988805428
acyl-CoA synthetase long-chain family member 4	2,545227478	1,73E-06	3,54E-05	4,97978028
mitogen-activated protein kinase kinase kinase kinase 1	0,467684334	1,75E-06	3,57E-05	4,96916657
RIKEN cDNA 5730469M10 gene	0,424943387	1,75E-06	3,57E-05	4,968355755
proviral integration site 1	2,679604997	1,77E-06	3,59E-05	4,958997441
protein kinase inhibitor beta, cAMP dependent, testis specific	2,208929244	1,78E-06	3,61E-05	4,952056845
Kruppel-like factor 2 (lung)	0,355425166	1,82E-06	3,68E-05	4,930986126
progestin and adipoQ receptor family member VII	0,346177212	1,85E-06	3,74E-05	4,911393423
malectin	0,489426154	1,85E-06	3,74E-05	4,90949633
intermediate filament family orphan 2	2,034498642	1,86E-06	3,74E-05	4,905364381
ST3 beta-galactoside alpha-2,3-sialyltransferase 1	2,146126327	1,86E-06	3,74E-05	4,904466431
abhydrolase domain containing 5	0,478889153	1,86E-06	3,74E-05	4,903972605
aldehyde dehydrogenase 16 family, member A1	0,480026841	1,88E-06	3,78E-05	4,892666208
membrane-spanning 4-domains, subfamily A, member 6D	2,375905808	1,89E-06	3,79E-05	4,888717039
RIKEN cDNA 5730528L13 gene	2,057750162	1,91E-06	3,82E-05	4,876307383
per-pentamer repeat gene	0,470741447	1,92E-06	3,82E-05	4,874861317
zinc finger protein 52	2,098402488	1,92E-06	3,82E-05	4,873517538
RAB12, member RAS oncogene family	2,060774823	1,92E-06	3,83E-05	4,871568017
Fyn proto-oncogene	2,199188715	1,99E-06	3,95E-05	4,835395538
consortin, connexin sorting protein	0,493636329	2,00E-06	3,96E-05	4,830931442
RAB38, member of RAS oncogene family	0,377940257	2,01E-06	3,99E-05	4,823242969
transcription factor 7-like 2, T-cell specific, HMG-box	0,406417811	2,02E-06	3,99E-05	4,820823517
antigen identified by monoclonal antibody Ki 67	2,20766786	2,03E-06	4,00E-05	4,81632555
toll-like receptor 2	2,209087308	2,06E-06	4,06E-05	4,799747837
metastasis associated in colon cancer 1	3,444729625	2,06E-06	4,06E-05	4,799213226
poliovirus receptor-related 2	2,147963583	2,06E-06	4,06E-05	4,797362386
WDYHV motif containing 1	2,013183509	2,07E-06	4,07E-05	4,793669604
prostaglandin-endoperoxide synthase 2	2,205179933	2,12E-06	4,14E-05	4,770565767
interleukin 15 receptor, alpha chain	2,201648444	2,22E-06	4,32E-05	4,721956502
myotubularin related protein 14	2,075149306	2,24E-06	4,37E-05	4,710576481
hypothetical LOC100504230	2,248125553	2,26E-06	4,39E-05	4,703059216
fibrinogen-like protein 2	2,802632696	2,31E-06	4,48E-05	4,679229436
myo-inositol 1-phosphate synthase A1	0,374937174	2,32E-06	4,49E-05	4,677403234
calcium/calmodulin-dependent protein kinase I	0,362625345	2,33E-06	4,51E-05	4,669859734
ATP-binding cassette, sub-family B (MDR/TAP), member 6	0,457436137	2,34E-06	4,51E-05	4,667913593
leucine-rich repeat kinase 2	2,240596201	2,35E-06	4,53E-05	4,663348535
RIKEN cDNA 1700113I22 gene	2,527280151	2,35E-06	4,53E-05	4,659809229
FXYD domain-containing ion transport regulator 2	0,407676519	2,37E-06	4,56E-05	4,651265567
protein tyrosine phosphatase, non-receptor type 1	2,503476328	2,38E-06	4,57E-05	4,646626954
solute carrier family 38, member 2	0,440963721	2,39E-06	4,58E-05	4,644156948
cell division cycle associated 8	0,441136659	2,40E-06	4,60E-05	4,638883493
MARCKS-like 1	2,143379246	2,43E-06	4,65E-05	4,625076072
tumor suppressor candidate 1	0,467493669	2,44E-06	4,66E-05	4,621231816
t-complex protein 1	2,703169107	2,44E-06	4,66E-05	4,620477382
BCL2-like 14 (apoptosis facilitator)	0,343914748	2,46E-06	4,67E-05	4,615555284
heparan sulfate (glucosamine) 3-O-sulfotransferase 1	2,453232667	2,49E-06	4,71E-05	4,602135754
zinc finger protein 296	0,454302096	2,49E-06	4,71E-05	4,601368425
predicted gene 11818	0,473356121	2,50E-06	4,73E-05	4,597614667
liver glycogen phosphorylase	0,470506935	2,50E-06	4,73E-05	4,596410257
brain-specific angiogenesis inhibitor 1-associated protein 2	0,488590659	2,52E-06	4,76E-05	4,586805937
TatD DNase domain containing 2	0,496735325	2,55E-06	4,80E-05	4,577477792
SFFV proviral integration 1	0,493761093	2,55E-06	4,80E-05	4,575617321
furry homolog (Drosophila)	0,486000913	2,58E-06	4,84E-05	4,566032357
uridine phosphorylase 1	2,034894289	2,60E-06	4,89E-05	4,555407397
endothelin 1	2,044698521	2,61E-06	4,90E-05	4,551451434
arrestin domain containing 3	2,233273185	2,62E-06	4,91E-05	4,547067265
interleukin 17 receptor D	2,299324935	2,64E-06	4,94E-05	4,540209762
Fas (TNF receptor superfamily member 6)	0,448884338	2,64E-06	4,94E-05	4,54011078
integrin alpha 1	0,494012005	2,70E-06	5,04E-05	4,517049532
matrix metallopeptidase 14 (membrane-inserted)	2,18764104	2,72E-06	5,07E-05	4,509854468
family with sequence similarity 102, member A	0,417656822	2,74E-06	5,11E-05	4,500343
oncostatin M	3,280773018	2,77E-06	5,15E-05	4,491520493
cDNA sequence X99384	0,489616258	2,78E-06	5,18E-05	4,484428831
ring finger protein 128	0,334335565	2,80E-06	5,20E-05	4,479422417
cystinosis, nephropathic	0,485848599	2,84E-06	5,28E-05	4,462551845
endothelin converting enzyme 2	0,430112406	2,89E-06	5,35E-05	4,447155117
family with sequence similarity 117, memberA	0,391152424	2,89E-06	5,35E-05	4,444609725
AF4/FMR2 family, member 1	2,141356006	2,92E-06	5,39E-05	4,436528384
open reading frame 19	2,091782463	2,94E-06	5,43E-05	4,42829011
MOB1, Mps One Binder kinase activator-like 2B (yeast)	2,300226138	2,94E-06	5,43E-05	4,426781717
cytochrome c oxidase, subunit XVII assembly protein homolog (yeast)	2,091315647	2,95E-06	5,44E-05	4,424549681
embryonic ectoderm development	2,093569518	3,02E-06	5,55E-05	4,398413786
RIKEN cDNA 1500003O03 gene	2,240412625	3,03E-06	5,55E-05	4,396061047

fermitin family homolog 3 (Drosophila)	0,487813888	3,05E-06	5,57E-05	4,390941899
RIKEN cDNA 2010002N04 gene	4,10638844	3,05E-06	5,57E-05	4,387962867
isovaleryl coenzyme A dehydrogenase	0,495144355	3,06E-06	5,57E-05	4,387097554
glycerophosphodiester phosphodiesterase domain containing 5	0,473962806	3,06E-06	5,57E-05	4,386956914
myxovirus (influenza virus) resistance 2	2,25304215	3,09E-06	5,63E-05	4,375432459
acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A thiolase)	0,39933132	3,15E-06	5,72E-05	4,355640129
phosphodiesterase 1B, Ca2+-calmodulin dependent	0,461732693	3,16E-06	5,73E-05	4,353798343
endonuclease/exonuclease/phosphatase family domain containing 1	0,362324504	3,16E-06	5,73E-05	4,353321538
solute carrier family 22 (organic cation transporter), member 5	2,022963931	3,17E-06	5,75E-05	4,348562629
Max interacting protein 1	3,954852846	3,19E-06	5,77E-05	4,34179218
leucine zipper transcription factor-like 1	2,039319274	3,19E-06	5,77E-05	4,341715315
centromere protein V	0,428783793	3,21E-06	5,80E-05	4,334717848
predicted gene 6377	2,36777033	3,27E-06	5,91E-05	4,315326695
gap junction protein, alpha 1	2,000128484	3,32E-06	5,98E-05	4,300603829
family with sequence similarity 98, member C	0,469504147	3,33E-06	6,00E-05	4,296877731
single immunoglobulin and toll-interleukin 1 receptor (TIR) domain	0,477383559	3,35E-06	6,03E-05	4,290734641
prenylcysteine oxidase 1	0,499151189	3,36E-06	6,03E-05	4,28934667
tet oncogene family member 2	2,612995822	3,44E-06	6,17E-05	4,264004576
ral guanine nucleotide dissociation stimulator-like 2	0,479959987	3,46E-06	6,18E-05	4,258106032
zinc finger, MIZ-type containing 2	0,462095496	3,47E-06	6,20E-05	4,254504667
alanine-glyoxylate aminotransferase 2-like 2	2,582785578	3,52E-06	6,28E-05	4,239204365
kallikrein 1-related peptidase b11	0,331969075	3,54E-06	6,30E-05	4,232904574
major facilitator superfamily domain containing 7A	2,235061221	3,59E-06	6,39E-05	4,217852537
calcium/calmodulin-dependent serine protein kinase (MAGUK family)	0,499490136	3,60E-06	6,39E-05	4,216614638
nicotinamide N-methyltransferase	0,413680221	3,66E-06	6,48E-05	4,198031673
claudin domain containing 1	2,048991918	3,72E-06	6,56E-05	4,18338915
tetratricopeptide repeat domain 39A	0,396118697	3,79E-06	6,67E-05	4,163993423
pleckstrin homology-like domain, family A, member 1	2,724903483	3,80E-06	6,70E-05	4,159428433
microsomal glutathione S-transferase 1	0,464457343	3,81E-06	6,71E-05	4,156157641
TLC domain containing 1	2,743136731	4,06E-06	7,13E-05	4,09108422
lymphocyte cytosolic protein 2	2,450026363	4,09E-06	7,17E-05	4,083223713
vesicle-associated membrane protein, associated protein A	2,749387551	4,10E-06	7,17E-05	4,081662788
tumor necrosis factor, alpha-induced protein 8-like 2	0,496975863	4,13E-06	7,22E-05	4,073631028
dual specificity phosphatase 8	2,121648389	4,17E-06	7,28E-05	4,063166574
selenoprotein X 1	0,481178444	4,19E-06	7,29E-05	4,058855449
sushi domain containing 2	2,020510272	4,19E-06	7,29E-05	4,057444546
guanidinoacetate methyltransferase	0,449698332	4,22E-06	7,33E-05	4,050251346
signal transducer and activator of transcription 2	3,161634423	4,22E-06	7,33E-05	4,049443365
PDZK1 interacting protein 1	2,819104211	4,23E-06	7,33E-05	4,049044295
ring finger protein 213	2,001749291	4,27E-06	7,39E-05	4,038406705
phosphodiesterase 1B, Ca2+-calmodulin dependent	0,486512233	4,30E-06	7,43E-05	4,031288925
DnaJ (Hsp40) homolog, subfamily B, member 4	2,220316216	4,32E-06	7,46E-05	4,025280516
diacylglycerol O-acyltransferase 2	2,053614522	4,41E-06	7,60E-05	4,004002131
a disintegrin and metallopeptidase domain 8	0,495933587	4,46E-06	7,69E-05	3,991941927
endothelin receptor type B	2,292038608	4,47E-06	7,70E-05	3,989616116
acyl-CoA synthetase long-chain family member 4	2,228107188	4,55E-06	7,82E-05	3,971599368
UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 5	0,495154782	4,56E-06	7,82E-05	3,970268562
D-dopachrome tautomerase	2,159794186	4,56E-06	7,82E-05	3,969531127
galactose mutarotase	0,497638333	4,57E-06	7,83E-05	3,967644598
family with sequence similarity 55, member D	0,418124517	4,60E-06	7,87E-05	3,959794641
RCSD domain containing 1	2,029003158	4,61E-06	7,89E-05	3,957250953
4lysine (K)-specific demethylase 6A	0,476293631	4,64E-06	7,92E-05	3,950722045
asparagine synthetase	2,412862016	4,75E-06	8,09E-05	3,927790841
myosin VA	0,488730106	4,83E-06	8,23E-05	3,908605805
interleukin 6 receptor, alpha	0,499252995	4,91E-06	8,33E-05	3,892854962
phosphofurin acidic cluster sorting protein 1	2,086960206	5,00E-06	8,46E-05	3,874063651
DENN/MADD domain containing 3	2,233653428	5,03E-06	8,51E-05	3,867218235
mitogen-activated protein kinase kinase kinase 8	2,142984605	5,09E-06	8,61E-05	3,853983817
EGL nine homolog 3 (C. elegans)	4,186831617	5,17E-06	8,72E-05	3,8391435
zinc finger homeobox 3	2,035640781	5,24E-06	8,83E-05	3,825123821
plexin B2	0,457298141	5,31E-06	8,94E-05	3,81019639
G protein-coupled receptor 85	2,10307584	5,43E-06	9,13E-05	3,786405572
triosephosphate isomerase 1	2,590683653	5,45E-06	9,15E-05	3,783409741
T-cell, immune regulator 1, ATPase, H+ transporting, lysosomal V0 protein A3	0,464468324	5,53E-06	9,27E-05	3,767768523
nurim (nuclear envelope membrane protein)	0,462087521	5,53E-06	9,27E-05	3,767644201
pseudouridylate synthase-like 1	0,479922283	5,55E-06	9,29E-05	3,764516986
glutathione S-transferase, theta 3	2,253003943	5,58E-06	9,33E-05	3,758859206
NEDD4 binding protein 1	2,004294848	5,61E-06	9,37E-05	3,753084316
acidic (leucine-rich) nuclear phosphoprotein 32 family, member A	3,545244188	5,67E-06	9,45E-05	3,742387832
protein tyrosine phosphatase-like (proline instead of catalytic arginine), member a	2,007339329	5,70E-06	9,50E-05	3,736653374
calmodulin 5	2,179017711	5,91E-06	9,82E-05	3,698483287
PHD finger protein 11	2,235049645	5,93E-06	9,84E-05	3,694895546
ryanodine receptor 1, skeletal muscle	0,357710878	5,95E-06	9,85E-05	3,692577452
ras homolog gene family, member J	0,391606372	5,98E-06	9,89E-05	3,687360921
cyclin-dependent kinase 20	0,413413391	5,98E-06	9,89E-05	3,686554743
ribonuclease, RNase A family, 6	0,488954725	6,15E-06	0,000101404	3,657284925
kinesin family member 22	0,484890307	6,18E-06	0,00010158	3,652901826
F11 receptor	2,04603508	6,18E-06	0,00010158	3,652126592
insulin-like growth factor 2 receptor	0,453648182	6,20E-06	0,000101779	3,649252048
TNF receptor associated factor 4	2,447696009	6,32E-06	0,000103298	3,629634951
a disintegrin and metallopeptidase domain 11	0,484177267	6,41E-06	0,000104616	3,613911544

sphingosine phosphate lyase 1	0,475855941	6,50E-06	0,000105824	3,599447746
transducin (beta)-like 1 X-linked	2,112143317	6,57E-06	0,00010676	3,587778031
EH-domain containing 1	2,158893317	6,77E-06	0,000109627	3,556917618
thioredoxin-related transmembrane protein 4	0,48174739	6,80E-06	0,000109924	3,552367067
glutaminyl-peptide cyclotransferase (glutaminyl cyclase)	0,487365577	7,04E-06	0,000113257	3,516284831
proteasome (prosome, macropain) 26S subunit, non-ATPase, 11	2,237346639	7,05E-06	0,000113291	3,515153335
amphiregulin	2,181354964	7,07E-06	0,000113473	3,511454694
lysozyme 1	0,487341262	7,25E-06	0,000116169	3,484906457
hexokinase 2	2,201695811	7,46E-06	0,000119094	3,455714159
RELT-like 1	0,443287679	7,56E-06	0,000120474	3,442078985
transmembrane and coiled-coil domains 6	2,003993925	7,65E-06	0,000121746	3,429499168
feline sarcoma oncogene	0,495556352	7,67E-06	0,000121909	3,426486455
mitogen-activated protein kinase associated protein 1	0,455238196	7,73E-06	0,000122659	3,419284506
doublesex and mab-3 related transcription factor like family A2	0,49705831	7,74E-06	0,000122769	3,417542697
SRY-box containing gene 4	0,367098277	7,79E-06	0,00012352	3,410375869
thymopoietin	2,076966741	7,82E-06	0,000123895	3,406407551
ecotropic viral integration site 2a	0,379426945	7,90E-06	0,000124908	3,396305536
toll-like receptor 4	0,47256442	8,01E-06	0,000126523	3,382106126
solute carrier family 22 (organic cation transporter), member 5	2,04323947	8,06E-06	0,000127226	3,375522022
hematopoietic prostaglandin D synthase	0,480201344	8,23E-06	0,000129721	3,352856929
RIKEN cDNA 2400003C14 gene	2,152957368	8,25E-06	0,000129803	3,351401999
glucosaminyl (N-acetyl) transferase 1, core 2	0,477687457	8,27E-06	0,000130108	3,348150614
toll-like receptor 8	0,381810153	8,42E-06	0,000132173	3,329335988
retinoblastoma 1	0,481355668	8,58E-06	0,000134496	3,310360933
2'-5' oligoadenylate synthetase 1G	2,141364947	8,66E-06	0,000135525	3,300028344
inhibitor of DNA binding 2	2,887300555	8,71E-06	0,000136136	3,294541802
solute carrier family 6 (neurotransmitter transporter, creatine), member 8	0,497558887	8,89E-06	0,00013859	3,272737457
WNK lysine deficient protein kinase 1	2,21242538	8,92E-06	0,000138981	3,269003903
signal transducer and activator of transcription 3	2,036248984	9,12E-06	0,000141715	3,246319686
CD37 antigen	0,435819463	9,26E-06	0,000143517	3,230778338
RAB10, member RAS oncogene family	2,095098517	9,29E-06	0,000144002	3,226471094
DNA segment, Chr 14, ERATO Doi 668, expressed	2,773289868	9,36E-06	0,000144623	3,219623288
adenylate cyclase 7	0,457823471	9,44E-06	0,000145744	3,21079017
family with sequence similarity 89, member B	0,48342881	9,49E-06	0,000146217	3,205060127
fibronectin leucine rich transmembrane protein 2	0,356409019	9,54E-06	0,000146921	3,199266859
Rab interacting lysosomal protein	0,473848529	9,57E-06	0,000147053	3,195810508
topoisomerase (DNA) I	2,171449899	9,70E-06	0,00014885	3,181530924
ATP-binding cassette, sub-family D (ALD), member 1	0,46531068	1,08E-05	0,000162438	3,070537687
zinc finger protein 524	0,496384239	1,08E-05	0,000162438	3,070452754
eukaryotic translation initiation factor 3, subunit C	2,268690429	1,08E-05	0,000162837	3,066529733
like-glycosyltransferase	0,463734632	1,10E-05	0,000164128	3,055351519
5'-nucleotidase domain containing 2	0,385319488	1,11E-05	0,000166657	3,037026367
DNA segment, Chr 6, Wayne State University 163, expressed	0,475066492	1,13E-05	0,000168986	3,021041432
RNA binding motif protein 11	2,161180072	1,14E-05	0,000169372	3,017147924
integrin alpha L	2,625844844	1,16E-05	0,000172714	2,992246227
NAD(P)H dehydrogenase, quinone 1	0,48195257	1,21E-05	0,000178561	2,953029166
thioredoxin interacting protein	0,461134786	1,21E-05	0,000178599	2,952057039
carbohydrate (chondroitin 6/keratan) sulfotransferase 3	2,007105968	1,21E-05	0,000178937	2,949338448
casein kinase 1, delta	2,167777832	1,23E-05	0,000180568	2,937635983
calcium/calmodulin-dependent protein kinase I	0,447374424	1,24E-05	0,000181975	2,925788287
2'-5' oligoadenylate synthetase 1G	2,242924263	1,25E-05	0,000183245	2,915861011
myotubularin related protein 14	2,025908635	1,26E-05	0,000183974	2,909967407
predicted gene 12250	2,242670076	1,29E-05	0,000186748	2,888452461
phosphodiesterase 4A, cAMP specific	2,405425135	1,31E-05	0,000189682	2,869262802
lectin, galactoside-binding, soluble, 3 binding protein	2,073482269	1,31E-05	0,000190175	2,865819097
bicaudal D homolog 2 (Drosophila)	2,341124258	1,32E-05	0,000190475	2,861977583
microtubule associated serine/threonine kinase family member 4	2,530783671	1,32E-05	0,000190685	2,860096623
neuralized-like 2 (Drosophila)	0,480086997	1,36E-05	0,000196025	2,826196637
kelch-like 25 (Drosophila)	2,105104772	1,38E-05	0,000197386	2,817530359
histocompatibility 2, O region beta locus	2,651645544	1,38E-05	0,000197527	2,816057295
inositol (myo)-1(or 4)-monophosphatase 2	2,506939453	1,38E-05	0,000197983	2,812923813
RIKEN cDNA 1110002B05 gene	0,480974677	1,40E-05	0,000200267	2,799519621
guanine nucleotide binding protein (G protein), gamma 11	0,496619455	1,40E-05	0,00020046	2,79751053
proline-serine-threonine phosphatase-interacting protein 1	0,495264659	1,41E-05	0,000200697	2,794383626
transmembrane protein 63a	0,480780708	1,43E-05	0,000202748	2,780899263
connective tissue growth factor	0,452616376	1,48E-05	0,00020917	2,744083868
solute carrier family 5 (sodium-dependent vitamin transporter), member 6	0,49528875	1,64E-05	0,000228835	2,637608282
syndecan 2	0,492734537	1,64E-05	0,000229589	2,632053429
MAM domain containing 2	0,488486922	1,65E-05	0,000229749	2,630617569
stromal membrane-associated GTPase-activating protein 2	2,010393855	1,71E-05	0,000237473	2,591228286
2'-5' oligoadenylate synthetase-like 2	2,310914994	1,74E-05	0,000240701	2,574353
RNA binding protein gene with multiple splicing	2,00640203	1,87E-05	0,000255771	2,499227755
FERM domain containing 6	2,62178155	1,88E-05	0,000257428	2,491808891
acid phosphatase 5, tartrate resistant	2,33810155	1,88E-05	0,000257465	2,490963544
plasminogen activator, urokinase receptor	0,495422764	1,91E-05	0,0002606	2,477668469
RIKEN cDNA 2010106G01 gene	2,183939141	1,91E-05	0,000260627	2,47686485
colony stimulating factor 3 (granulocyte)	2,015437932	1,91E-05	0,000261193	2,473915281
phosphatidylinositol glycan anchor biosynthesis, class Z	0,455838533	1,99E-05	0,000269329	2,434387272
alcohol dehydrogenase 4 (class II), pi polypeptide	2,001808521	2,01E-05	0,000272448	2,421025775
sushi-repeat-containing protein, X-linked 2	0,450183998	2,03E-05	0,000274717	2,411016553
ATP synthase, H+ transporting, mitochondrial F1 complex, epsilon subunit	2,143577652	2,09E-05	0,000281479	2,381595702

DNA segment, Chr 6, Miriam Meisler 5, expressed	2,485752718	2,11E-05	0,000283108	2,374222647
phosphoglucomutase 2	2,476837663	2,11E-05	0,000283209	2,373173273
glutamate oxaloacetate transaminase 1, soluble	2,016131094	2,12E-05	0,000284771	2,366083861
EF-hand calcium binding domain 4A	0,490036855	2,14E-05	0,000286143	2,359718832
dystonin	2,245211943	2,15E-05	0,000287395	2,353137594
ATPase type 13A4	2,328827534	2,15E-05	0,000287687	2,351404128
triosephosphate isomerase 1	2,00954129	2,16E-05	0,000288307	2,348484434
tetraspanin 32	0,415396613	2,17E-05	0,00028933	2,342769309
acyl-CoA synthetase long-chain family member 4	2,10984499	2,19E-05	0,000292235	2,331692083
latent transforming growth factor beta binding protein 1	2,125730689	2,20E-05	0,000293268	2,327346182
La ribonucleoprotein domain family, member 1B	2,145177385	2,28E-05	0,000301435	2,292026248
thymidylate synthase	2,868845489	2,29E-05	0,00030208	2,288459736
proteasome (prosome, macropain) 28 subunit, beta	2,116148603	2,34E-05	0,000307149	2,265797463
membrane bound O-acyltransferase domain containing 1	0,457928373	2,38E-05	0,000311725	2,247743574
ryanodine receptor 1, skeletal muscle	0,495384443	2,40E-05	0,000313957	2,238988661
family with sequence similarity 102, member B	2,178067599	2,41E-05	0,000314809	2,234180667
NAD(P)H dehydrogenase, quinone 2	0,496796179	2,45E-05	0,000318701	2,216766921
ral guanine nucleotide dissociation stimulator-like 2	0,466425911	2,55E-05	0,000329046	2,176295468
putative transposase element L1Md-A101/L1Md-A102/L1Md-A2-like	0,436676866	2,56E-05	0,000330277	2,171753916
NIMA (never in mitosis gene a)-related expressed kinase 8	2,196306904	2,58E-05	0,000332616	2,161144731
DEAD (Asp-Glu-Ala-Asp) box polypeptide 19b	2,009315961	2,63E-05	0,000336885	2,1446211
eukaryotic translation elongation factor 1 alpha 2	0,445333725	2,64E-05	0,000338951	2,137606882
tumor-associated calcium signal transducer 2	2,076054074	2,70E-05	0,000345962	2,113710321
sine oculis-binding protein homolog (Drosophila)	0,453779009	2,85E-05	0,00036177	2,060765871
cytohesin 4	0,464725338	2,86E-05	0,000362699	2,056810173
vestigial like 4 (Drosophila)	2,068956521	3,00E-05	0,000377416	2,005196518
adhesion molecule, interacts with CXADR antigen 1	0,435879785	3,40E-05	0,000420771	1,87631096
ninjurin 1	0,485602227	3,50E-05	0,000431645	1,846028591
RIKEN cDNA 4930539E08 gene	2,498165191	3,54E-05	0,000435356	1,834009014
eukaryotic translation elongation factor 1 alpha 2	0,455022324	3,72E-05	0,000454354	1,782159865
collagen, type VI, alpha 3	0,469519421	3,87E-05	0,000470023	1,741984587
DNA segment, Chr 3, Brigham & Women's Genetics 0562 expressed	2,079202296	3,94E-05	0,000477295	1,723569238
PRELI domain containing 2	2,310654754	3,99E-05	0,000483009	1,709974002
trimethylguanosine synthase homolog (S. cerevisiae)	2,023379876	4,05E-05	0,000490311	1,692544394
SKI-like	2,323004382	4,12E-05	0,000497628	1,675316242
thioredoxin 1	2,240876758	4,37E-05	0,000521722	1,615856542
macrophage migration inhibitory factor	2,244692687	4,39E-05	0,000523204	1,611097637
casein kinase 2, alpha 1 polypeptide	2,33204827	4,62E-05	0,000545496	1,557078586
squalene epoxidase	2,060318672	5,20E-05	0,000603021	1,433974145
transcobalamin 2	2,382108963	5,26E-05	0,000608181	1,422119836
RIKEN cDNA 2510003E04 gene	2,0218127	5,29E-05	0,000611387	1,415492568
phosphate cytidylyltransferase 1, choline, alpha isoform	2,133957236	5,42E-05	0,000622759	1,392032426
polyadenylate-binding protein-interacting protein 2	2,014939996	5,59E-05	0,000638945	1,359844021
ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	2,166901806	5,64E-05	0,000644599	1,349543848
BCL2-like 11 (apoptosis facilitator)	2,061141199	5,91E-05	0,000669515	1,30155403
zinc finger, DHHC domain containing 3	0,425743393	5,94E-05	0,000672029	1,296518993
eosinophil-associated, ribonuclease A family, member 11	0,469618037	6,22E-05	0,000699554	1,248588775
ring finger protein 34	2,132289322	6,38E-05	0,000713183	1,221769725
arginase, liver	3,616368225	6,47E-05	0,000721445	1,20733709
wingless-related MMTV integration site 6	2,139134955	6,98E-05	0,000770597	1,129272134
cyclin D1	0,491697851	7,15E-05	0,000784657	1,104229534
phosphodiesterase 4B, cAMP specific	2,005897686	7,16E-05	0,00078576	1,102218881
RIKEN cDNA 0610010O12 gene	2,104796769	7,43E-05	0,000810322	1,06422053
heparanase	0,459303227	7,52E-05	0,000818942	1,05104712
Mid1 interacting protein 1 (gastrulation specific G12-like (zebrafish))	0,495506106	7,80E-05	0,000841771	1,013444528
cell division cycle 20 homolog (S. cerevisiae)	0,475640878	8,37E-05	0,000892311	0,940348025
kinectin 1	2,224403308	8,44E-05	0,000896966	0,932233952
torsin A interacting protein 2	2,04773142	8,44E-05	0,000896966	0,931732593
histocompatibility 2, D region locus 1	2,008253748	8,68E-05	0,000918043	0,902997674
predicted pseudogene 16379	2,557602522	9,08E-05	0,000952056	0,855827936
procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha II polypeptide	2,412176818	9,32E-05	0,00097246	0,829463275
cyclin-dependent kinase-like 2 (CDC2-related kinase)	0,468812406	0,000102329	0,00105165	0,732118277
ADP-ribosylation factor-like 5C	2,080861805	0,000103618	0,00106171	0,719155536
dual specificity phosphatase 2	2,160697928	0,00010698	0,00109398	0,686088093
tetraspanin 2	2,060030739	0,000110216	0,001120372	0,655242738
zinc ribbon domain containing, 1	2,104655099	0,000112409	0,001138159	0,634847036
cadherin-like 26	2,190312873	0,000123222	0,00123186	0,53979215
FYVE, RhoGEF and PH domain containing 4	0,491826023	0,000137464	0,00134543	0,426652038
integrin alpha M	0,464538733	0,000138659	0,001355187	0,417702501
activated leukocyte cell adhesion molecule	2,147231812	0,00014729	0,001424682	0,355261992
non-POU-domain-containing, octamer binding protein	2,260203429	0,000158538	0,001511368	0,279201637
ubiquitin protein ligase E3A	2,180587143	0,000163876	0,001557197	0,24498261
SH3 domain binding glutamic acid-rich protein like 2	2,541630384	0,000164587	0,001561786	0,240509469
TWIST neighbor	2,085369969	0,000193395	0,00179254	0,073925513
lectin, galactose binding, soluble 9	2,087302624	0,000200527	0,001849029	0,036543767
zinc finger CCCH type, antiviral 1	2,123660863	0,000201937	0,001858687	0,029315544
solute carrier family 16 (monocarboxylic acid transporters), member 10	0,488710121	0,000250437	0,002208143	-0,19269986
toll-like receptor 13	0,429477471	0,00025568	0,002239955	-0,21405691
succinate dehydrogenase complex, subunit D, integral membrane protein	2,088049872	0,000260543	0,00227383	-0,23347362
tripartite motif-containing 35	2,025067513	0,000264311	0,002302803	-0,24827056
karyopherin (importin) alpha 3	2,167914705	0,000283526	0,002444294	-0,32056575

general transcription factor II E, polypeptide 2 (beta subunit)	2,507152555	0,000297707	0,002549431	-0,37082663
synuclein, alpha	2,033645218	0,000302101	0,002581681	-0,3859128
WNK lysine deficient protein kinase 1	2,246842144	0,000331657	0,002790158	-0,4819835
glyoxylate reductase/hydroxypyruvate reductase	2,220778039	0,000347218	0,002897336	-0,52915314
V-set and immunoglobulin domain containing 8	0,489673944	0,00044225	0,003512015	-0,77779065
small nuclear RNA activating complex, polypeptide 1	2,002178993	0,000477999	0,003720045	-0,85759057
KDM1 lysine (K)-specific demethylase 6B	2,061085824	0,000479051	0,003722248	-0,85984578
RIKEN cDNA 4930583H14 gene	5,623925182	0,000558355	0,004211873	-1,01696525
Ngfi-A binding protein 1	2,281163279	0,000663204	0,004859151	-1,19324006
heterogeneous nuclear ribonucleoprotein D-like	2,002009616	0,00068889	0,005011526	-1,23213041
actin, beta	0,408303556	0,000738645	0,005305847	-1,30346939
eukaryotic translation initiation factor 2C, 3	2,070366958	0,000944707	0,00645644	-1,55482907
Treacher Collins Franceschetti syndrome 1, homolog	2,115805084	0,001066456	0,007122649	-1,67845063
serum amyloid A 1	2,43651091	0,003019045	0,016460525	-2,73287466

Panel 3: Genes significantly up-regulated in *Porphyromonas gingivalis* treated DCs (FDR < 0.05), regulated in response to *Aggregatibacter actinomycetemcomitans* challenge.

Name	FC Pg	AveExpr	F	P.Value	adj.P.Val
DNA (cytosine-5-)-methyltransferase 3-like	5,768516159	7,847368332	268,1919869	1,13E-11	1,90E-09
hydroxysteroid 11-beta dehydrogenase 1	5,075092117	5,476428415	246,9239308	1,96E-11	1,90E-09
lymphocyte antigen 6 complex, locus C1	7,480830062	8,695608966	232,2896102	2,94E-11	1,90E-09
solute carrier family 6 (neurotransmitter transporter, glycine), member 9	4,993567629	6,683270371	181,6602073	1,49E-10	7,23E-09
EGF-like module containing, mucin-like, hormone receptor-like sequence 1	4,306348074	6,850985198	137,6972703	9,11E-10	3,53E-08
microsomal glutathione S-transferase 2	3,743812957	8,480569512	124,0719644	1,79E-09	5,79E-08
C-type lectin domain family 4, member a1	3,197796843	7,426596244	116,4773046	2,69E-09	7,45E-08
solute carrier family 39 (zinc transporter), member 4	3,418824034	7,581196166	101,6957104	6,42E-09	1,53E-07
hydroxysteroid 11-beta dehydrogenase 1	5,805384884	5,842653483	99,0234844	7,61E-09	1,53E-07
hydroxysteroid 11-beta dehydrogenase 1	4,580437061	5,458520803	98,4861086	7,88E-09	1,53E-07
RIKEN cDNA 1810033B17 gene	3,121604722	8,890256605	96,60987965	8,91E-09	1,57E-07
platelet factor 4	2,543837694	10,08192974	93,4561894	1,10E-08	1,78E-07
artemin	3,783304907	5,861698783	89,20981894	1,48E-08	2,20E-07
calreticulin 3	2,271128599	4,861731297	74,15585984	4,72E-08	6,54E-07
deafness, autosomal dominant 5 (human)	3,027731494	6,309689363	71,53069411	5,91E-08	7,56E-07
ATP-binding cassette, sub-family B (MDR/TAP), member 4	5,593744739	5,757069273	70,92260455	6,24E-08	7,56E-07
sulfide quinone reductase-like (yeast)	3,242484538	7,258735144	69,72687112	6,93E-08	7,91E-07
G protein-coupled receptor 155	2,810832901	5,28095978	62,92769856	1,31E-07	1,41E-06
heat-responsive protein 12	2,27425396	7,559279908	58,48257578	2,05E-07	1,99E-06
artemin	3,197962262	5,345585751	58,47539703	2,05E-07	1,99E-06
mucolipin 2	2,241606914	7,550277902	55,21225539	2,90E-07	2,68E-06
solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	2,645295643	9,735697712	54,31216998	3,21E-07	2,83E-06
matrix metallopeptidase 9	2,328640786	7,084150434	52,65973031	3,87E-07	3,26E-06
heat-responsive protein 12	2,142088304	7,161801997	48,36197454	6,45E-07	5,21E-06
keratin 17	3,215876287	5,441473635	47,65531753	7,04E-07	5,46E-06
solute carrier family 11 (proton-coupled divalent metal ion transporters), member 1	1,851804832	9,30353673	46,698433	7,95E-07	5,93E-06
RIKEN cDNA D330045A20 gene	2,165022265	4,951786556	46,19991497	8,47E-07	6,09E-06
bone marrow stromal cell antigen 1	2,593719366	6,731233388	45,48140926	9,29E-07	6,32E-06
matrix metallopeptidase 2	4,232992691	7,044452427	45,32498375	9,49E-07	6,32E-06
malic enzyme 1, NADP(+)-dependent, cytosolic	2,168150095	6,226301596	45,09719273	9,77E-07	6,32E-06
serine (or cysteine) peptidase inhibitor, clade B (ovalbumin), member 12	2,110092113	4,901913509	44,73231354	1,03E-06	6,42E-06
sodium channel, voltage-gated, type XI, alpha	1,926966339	4,803847365	43,41878091	1,22E-06	7,41E-06
leukotriene B4 receptor 1	2,271612557	6,056444573	42,5226005	1,38E-06	8,13E-06
RIKEN cDNA 1100001G20 gene	2,507491909	4,908997911	42,15199165	1,46E-06	8,30E-06
G protein-coupled receptor 176	1,909534541	7,170081706	41,73632283	1,54E-06	8,55E-06
toll-like receptor 1	2,313549038	6,718655348	38,3790955	2,51E-06	1,35E-05
family with sequence similarity 181, member B	2,089782016	4,764071005	38,18511857	2,59E-06	1,36E-05
triggering receptor expressed on myeloid cells-like 4	2,432878628	5,579159631	36,96791625	3,12E-06	1,58E-05
CD1d1 antigen	2,182436307	8,650470428	36,85923564	3,17E-06	1,58E-05
solute carrier family 39 (zinc transporter), member 4	1,8082835	4,874598206	36,52653573	3,34E-06	1,62E-05
Ras association (RalGDS/AF-6) domain family member 4	2,539751755	7,734316971	34,60807094	4,55E-06	2,15E-05
transforming growth factor, beta induced	1,684246947	7,195993855	33,79017671	5,21E-06	2,41E-05
serine (or cysteine) peptidase inhibitor, clade B (ovalbumin), member 12	2,502615248	5,013096449	33,58526908	5,40E-06	2,44E-05
RIKEN cDNA D330045A20 gene	1,692387511	4,946570183	32,18405746	6,87E-06	3,03E-05
pannexin 1	1,790957419	7,063596604	31,95899503	7,14E-06	3,08E-05
transforming growth factor, beta induced	1,578317333	10,34751198	29,96425157	1,02E-05	4,25E-05
guanylate binding protein 1	1,854524155	5,084307792	29,93241025	1,03E-05	4,25E-05
esterase D/formylglutathione hydrolase	1,578877656	7,870393519	29,19550351	1,18E-05	4,75E-05
dual specificity phosphatase 6	1,638854997	7,637455573	29,11524073	1,20E-05	4,75E-05
solute carrier family 11 (proton-coupled divalent metal ion transporters), member 1	1,678468006	13,41239181	28,87742955	1,26E-05	4,87E-05
galanin	2,394515448	5,093415468	28,34692838	1,39E-05	5,29E-05
glutathione S-transferase, mu 1	2,210919748	9,402422656	28,02657153	1,48E-05	5,52E-05
teashirt zinc finger family member 1	1,820262029	7,682542206	27,83625194	1,54E-05	5,62E-05
caveolin 2	1,961954088	7,065466388	27,18556646	1,75E-05	6,28E-05
predicted gene 885	1,730880083	7,543535158	25,74724385	2,35E-05	8,28E-05
PTPRF interacting protein, binding protein 2 (liprin beta 2)	1,770917239	9,081370159	24,22260523	3,26E-05	0,000112769
glutathione reductase	1,459142913	8,576557877	23,82738663	3,55E-05	0,000120903
RIKEN cDNA 9130230L23 gene	2,032577917	6,020575372	22,89356259	4,39E-05	0,000146721
calreticulin 3	2,115255173	5,011159272	21,40355706	6,23E-05	0,000204822
cytochrome b-5	1,762345927	10,05381774	20,88883116	7,06E-05	0,000228333
glutathione synthetase	2,185428037	5,891257076	20,79310174	7,23E-05	0,000229951
solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	1,623999128	10,58387047	20,42269618	7,93E-05	0,000248059
ubiquitin-conjugating enzyme E2E 2 (UBC4/5 homolog, yeast)	1,73639876	8,377976611	20,04125846	8,73E-05	0,000268752

FYN binding protein	1,441494941	8,663466395	19,87011032	9,12E-05	0,000275129
UDP glucuronosyltransferase 1 family, polypeptide A7C	1,56346208	7,981413424	19,82656686	9,22E-05	0,000275129
LY6/PLAUR domain containing 6B	1,613443534	4,778577264	19,35666318	0,000104069	0,0003059
RIKEN cDNA 9130230L23 gene	1,88502401	5,874014534	19,07120081	0,000112146	0,000323893
integrin beta 2-like	1,824927703	5,948259087	18,98093771	0,000114848	0,000323893
transmembrane protein 119	1,707882489	5,104199085	18,95870167	0,000115525	0,000323893
layilin	1,673661443	4,78329671	18,89476349	0,000117498	0,000323893
POU domain, class 2, transcription factor 2	2,079982272	5,144287653	18,8615265	0,000118538	0,000323893
glutathione synthetase	1,680279964	5,503512471	18,31101871	0,000137408	0,000370237
free fatty acid receptor 2	1,57661373	4,737759115	17,87823722	0,000154682	0,000408238
peroxisomal membrane protein 2	1,860097374	6,019752423	17,8540179	0,00015572	0,000408238
acyloxyacyl hydrolase	1,810117263	7,803623966	17,55003315	0,000169451	0,000438314
NADPH oxidase organizer 1	1,564125413	6,135490235	17,34296101	0,000179601	0,000458455
polo-like kinase 3 (Drosophila)	1,487880761	6,88009145	17,20624633	0,000186684	0,000470347
RAS protein-specific guanine nucleotide-releasing factor 1	1,851488567	4,89312195	17,02729803	0,000196445	0,000488593
solute carrier family 25, member 37	1,938672064	7,026787841	16,95470927	0,00020057	0,000492539
RIKEN cDNA 2210408F21 gene	1,874377293	7,581194638	16,87003708	0,000205508	0,000498357
glutathione synthetase	1,587185397	6,011384751	16,71065697	0,000215186	0,000515384
N-acyl phosphatidylethanolamine phospholipase D	1,739999688	5,617160695	16,66475181	0,00021807	0,000515921
membrane-spanning 4-domains, subfamily A, member 7	2,502246152	6,174202193	16,43349649	0,000233289	0,000545277
PTPRF interacting protein, binding protein 2 (liprin beta 2)	1,689128078	7,570152423	16,34627506	0,000239342	0,000552767
UDP glucuronosyltransferase 1 family, polypeptide A6A	1,915758069	5,015135603	15,5546092	0,000303363	0,000684436
proline-serine-threonine phosphatase-interacting protein 2	2,306094157	5,568175239	15,54024031	0,000304694	0,000684436
RNA binding protein, fox-1 homolog (C. elegans) 2	1,464929025	4,969328399	15,51619294	0,000306938	0,000684436
oxidative stress induced growth inhibitor 1	1,53193918	5,381728512	15,44747039	0,000313454	0,000691023
arachidonate 12-lipoxygenase	1,642845479	4,95127836	15,38878743	0,000319144	0,000695661
coagulation factor IX	1,702312561	5,250796159	15,31957252	0,000326007	0,000702727
oxysterol binding protein-like 3	1,4550472	8,978512591	15,245952	0,000333495	0,000710967
UFM1-specific peptidase 2	1,525560107	9,110996225	15,18203003	0,000340156	0,000717285
nicotinamide phosphoribosyltransferase	2,290008836	6,19026544	15,13122189	0,000345559	0,000720844
UFM1-specific peptidase 2	1,604908595	6,645919121	15,06682677	0,00035255	0,000727603
RIKEN cDNA 2610034B18 gene	1,618914905	5,248519221	14,57176139	0,000412058	0,000834169
alpha fetoprotein	1,62645546	4,690563997	14,56623148	0,000412784	0,000834169
tubulin folding cofactor E-like	1,477836582	8,943495759	14,49880702	0,000421767	0,000843533
transmembrane anterior posterior transformation 1	1,660020909	9,340500624	14,45879599	0,000427203	0,000845687
UFM1-specific peptidase 2	1,55791811	8,438313832	13,72212028	0,000543187	0,001064427
centrosomal protein 55	1,410178118	4,744586998	13,65643285	0,000555178	0,001071533
muscle and microspikes RAS	1,641003334	7,486656341	13,61984709	0,000561988	0,001071533
monoamine oxidase B	1,943977276	5,161981414	13,60885014	0,000564053	0,001071533
toll-like receptor adaptor molecule 2	1,517735659	7,209777882	13,56547036	0,000572287	0,001071533
ATP-binding cassette, sub-family C (CFTR/MRP), member 5	1,484348168	8,849403694	13,55429502	0,00057443	0,001071533
membrane-spanning 4-domains, subfamily A, member 6C	1,770924867	4,780944164	13,31630113	0,000622336	0,00114984
olfactory receptor 360	1,554396254	4,74662551	13,10988313	0,000667624	0,001221877
artemin	1,458057206	4,703679049	12,9488209	0,000705596	0,001277709
post-GPI attachment to proteins 2	1,481919511	8,446974988	12,92547812	0,000711302	0,001277709
family with sequence similarity 114, member A1	1,657731706	5,573550021	12,87511835	0,000723793	0,001288219
zinc finger, DHHC domain containing 6	1,511789095	10,51629581	12,84849823	0,000730498	0,001288333
SUB1 homolog (S. cerevisiae)	1,580057849	6,011690708	12,46153201	0,00083647	0,001456749
Fc receptor, IgE, high affinity I, gamma polypeptide	1,477810474	13,58621433	12,44622935	0,000841009	0,001456749
growth arrest specific 7	1,592968191	7,865539323	12,41035383	0,000851764	0,00146232
NIMA (never in mitosis gene a)-related expressed kinase 3	1,375511488	4,990551088	12,37576304	0,000862283	0,001467393
synuclein, alpha	1,659312203	4,77511329	12,13420699	0,000940034	0,001585796
WD repeat domain, phosphoinositide interacting 1	1,623190674	6,348469711	12,03884505	0,00097292	0,001621448
Notch gene homolog 1 (Drosophila)	1,683459576	6,296664588	12,0247724	0,000977884	0,001621448
RIKEN cDNA 1110008P14 gene	1,562952112	9,772110256	11,91675008	0,001016969	0,001671965
kynureninase (L-kynurenine hydrolase)	1,33866907	9,789568407	11,84177136	0,001045152	0,001703861
pseudouridylate synthase 10	1,478544808	6,913826631	11,6084574	0,001138751	0,001840981
heterogeneous nuclear ribonucleoprotein L-like	1,60480465	7,087930506	11,44946883	0,001208045	0,001933855
DIRAS family, GTP-binding RAS-like 2	1,479522394	8,783548006	11,43158939	0,001216136	0,001933855
angiotensin II, type I receptor-associated protein	1,475132178	9,033511175	11,12449706	0,001365282	0,002153371
malic enzyme 1, NADP(+)-dependent, cytosolic	1,701646771	5,452960911	11,03595972	0,001412104	0,00220926
hephaestin	1,384526646	4,71028741	11,01429275	0,001423842	0,002209802
acyl-CoA synthetase long-chain family member 5	1,497956922	12,09455231	10,90830087	0,001482896	0,002283188
glutathione S-transferase, mu 6	1,409241417	4,706540504	10,69436659	0,001610856	0,002460678
predicted gene 885	1,539381283	6,421899847	10,60542953	0,001667746	0,002527678
RIKEN cDNA 2700094K13 gene	1,406274418	7,82973832	10,50759625	0,001733005	0,002606225
RIKEN cDNA A730020E08 gene	1,494484308	4,974178069	10,44393274	0,001777044	0,002650762
RIKEN cDNA 9930023K05 gene	1,488069593	9,984557968	10,42562162	0,001789947	0,002650762
demethyl-Q 7	1,493565626	6,989312768	10,269077	0,001904756	0,002793243
phosphatidic acid phosphatase type 2A	2,45318236	5,081178271	10,25569547	0,001914955	0,002793243
intraflagellar transport 172 homolog (Chlamydomonas)	1,540193628	6,615587102	9,991439649	0,002129792	0,00308343
golgi integral membrane protein 4	1,617897977	6,025076215	9,91441742	0,002197523	0,003157922
solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	1,748348997	6,179040828	9,813935801	0,00228963	0,003266089
tumor necrosis factor receptor superfamily, member 1b	1,464545872	8,481729537	9,714224167	0,002385433	0,003377913
cathelicidin antimicrobial peptide	1,78052245	4,824600764	9,574534252	0,002527483	0,003553128
progesterone receptor membrane component 1	1,62281102	6,709410699	9,524409282	0,002580802	0,003601982
leucine rich repeat containing 59	2,058249188	6,671312538	9,493312237	0,002614528	0,003611954
sequestosome 1	1,41668512	12,37732369	9,4835837	0,002625183	0,003611954
nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	1,499868996	7,735094358	9,439595204	0,002673985	0,003653191
molybdenum cofactor synthesis 1	1,484246344	9,418232806	9,316330333	0,002816377	0,00382082
signal peptidase complex subunit 3 homolog (S. cerevisiae)	1,449949705	7,763916287	9,126050948	0,003053604	0,004113883

neurofilament, medium polypeptide	1,553643606	4,836476289	8,96912625	0,003266591	0,004369833
cleavage stimulation factor, 3' pre-RNA, subunit 3	1,56590033	7,786600306	8,953556797	0,003288637	0,004369833
versican	2,00459778	5,385944184	8,722431235	0,00363682	0,004799613
interleukin 20 receptor beta	1,514871427	5,590792674	8,493896198	0,004023294	0,005273777
RAB GTPase activating protein 1-like	1,447571875	5,764280627	8,357752127	0,00427585	0,005567215
proteasome (prosome, macropain) 26S subunit, non-ATPase, 5	1,423852959	6,969293367	8,277743021	0,004432738	0,005733008
family with sequence similarity 36, member A	1,389240754	8,021495918	8,171362708	0,004651669	0,005965731
phosphorylase kinase beta	1,535392471	4,667955036	8,160750737	0,004674181	0,005965731
carbonic anhydrase 9	1,440520668	5,209268791	8,112262867	0,004778643	0,006041337
JNK1/MAPK8-associated membrane protein	1,407739049	7,66512284	8,097353712	0,004811299	0,006041337
tRNA aspartic acid methyltransferase 1	1,631914297	4,896977103	8,090298848	0,004826841	0,006041337
COX assembly mitochondrial protein homolog (S. cerevisiae)	1,353870584	7,508886229	8,041877585	0,00493508	0,006137215
WAP four-disulfide core domain 13	1,357022804	4,772649062	7,986688172	0,005061859	0,006254781
BMP and activin membrane-bound inhibitor, pseudogene (Xenopus laevis)	1,623018803	6,142724598	7,961851827	0,005120128	0,006286739
paraoxonase 3	1,527033221	6,186484405	7,934988076	0,00518402	0,006317931
zinc finger, DHHC domain containing 6	1,445324349	9,13656934	7,923897263	0,005210665	0,006317931
RIKEN cDNA A430084P05 gene	1,518105607	6,63898508	7,654890061	0,005907656	0,007118542
coatomer protein complex, subunit epsilon	1,414523801	8,636026125	7,549195126	0,006210337	0,00743707
fibronectin type III domain containing 7	1,549931636	5,144946908	7,48687965	0,006397112	0,007613741
solute carrier family 4, sodium bicarbonate cotransporter, member 7	1,690958173	7,295525535	7,451985525	0,006504508	0,007684552
lysophosphatidic acid receptor 1	1,426250911	4,93019095	7,441932988	0,00653583	0,007684552
baculoviral IAP repeat-containing 3	1,654060131	6,055031789	7,427539029	0,006580981	0,007691026
ZW10 interactor	1,536262898	7,147442968	7,387258508	0,006709245	0,007757701
predicted gene, 20217	1,554591827	5,230791823	7,384538456	0,006718009	0,007757701
CD6 antigen	1,431621203	5,74897908	7,345941576	0,006843797	0,007856193
coiled-coil domain containing 75	1,370009459	9,928587219	7,209586467	0,007310315	0,008342359
tumor necrosis factor (ligand) superfamily, member 13b	1,496186175	6,444203342	7,167413161	0,007461914	0,008465563
WD repeat domain, phosphoinositide interacting 1	1,508174373	4,782788006	7,136754661	0,007574385	0,008543202
gamma-glutamyl cyclotransferase	1,488922448	6,133985324	7,107068215	0,007685147	0,008618026
paraoxonase 3	1,54964841	7,520624602	7,060267217	0,007863558	0,008767415
versican	1,596667214	5,097413487	6,96669415	0,008234703	0,00908862
NFU1 iron-sulfur cluster scaffold homolog (S. cerevisiae)	1,595847855	5,455888068	6,954594427	0,008284146	0,00908862
proline-rich coiled-coil 2C	1,500756452	5,703683076	6,952632801	0,008292194	0,00908862
WD repeat domain 41	1,588289679	4,837939341	6,893452733	0,008539256	0,009306829
protein tyrosine phosphatase, non-receptor type 14	1,632792861	4,857617378	6,832823861	0,00880116	0,009523312
interferon (alpha and beta) receptor 2	1,585908501	5,50335417	6,824900625	0,008836063	0,009523312
B-cell receptor-associated protein 31	1,420835162	6,563163762	6,734361335	0,009246378	0,009910482
spermatogenesis associated 5-like 1	1,413109616	5,42660915	6,592647331	0,009933277	0,010588219
tRNA-yW synthesizing protein 3 homolog (S. cerevisiae)	1,362596299	4,58230338	6,57390677	0,010028423	0,010631225
predicted gene 4368	1,537147883	5,371023004	6,491394237	0,010459965	0,010971939
methyltransferase like 9	1,373484422	7,930755297	6,490840632	0,010462932	0,010971939
Yip1 domain family, member 1	1,384272237	7,72608738	6,393070794	0,01100228	0,011436167
leucine zipper protein 1	1,48755152	4,913720225	6,389333279	0,011023522	0,011436167
RIKEN cDNA 9930023K05 gene	1,536156375	7,372681151	6,226416567	0,011996847	0,012379725
sno, strawberry notch homolog 1 (Drosophila)	1,487831781	5,099360816	6,209357105	0,012104351	0,012386205
kelch domain containing 1	1,495565808	5,141247947	6,20518348	0,01213082	0,012386205
NHP2 ribonucleoprotein homolog (yeast)	1,375362341	4,736207155	6,122249483	0,012670797	0,012869815
transcription elongation factor A (SII)-like 1	1,552962919	5,738078467	5,968292871	0,013747974	0,013891182
FK506 binding protein-like	1,394169987	5,113847817	5,919224512	0,014113087	0,014148266
cold shock domain containing E1, RNA binding	1,48489512	6,852825414	5,914573753	0,014148266	0,014148266

Panel 4: Genes significantly down-regulated in *Porphyromonas gingivalis* treated DCs (FDR < 0.05), not regulated in response to *Aggregatibacter actinomycetemcomitans* challenge.

Name	FC Pg	AveExpr	F	P.Value	adj.P.Val
phospholipid transfer protein	0,426233093	8,453045542	53,61259546	3,47E-07	2,87E-05
histocompatibility 2, class II, locus DMa	0,538300835	9,848877707	47,53455786	7,15E-07	2,87E-05
AXL receptor tyrosine kinase	0,469516967	10,75481151	46,94530181	7,70E-07	2,87E-05
expressed sequence AI607873	0,427472878	8,317828766	41,80218401	1,53E-06	3,65E-05
histocompatibility 2, class II, locus DMa	0,613616704	10,40177139	41,35413196	1,63E-06	3,65E-05
nuclear receptor coactivator 1	0,550284133	6,143727405	25,1142408	2,68E-05	0,000498146
nebulin-related anchoring protein	0,462685723	6,466071326	24,42604679	3,11E-05	0,000498146
CDC42 effector protein (Rho GTPase binding) 4	0,695469221	7,098565298	23,49373643	3,83E-05	0,000535851
RIKEN cDNA 5430427O19 gene	0,580954279	6,230464189	19,9327209	8,97E-05	0,001116484
cytochrome P450, family 4, subfamily f, polypeptide 18	0,653231446	5,006314424	18,41625644	0,000133548	0,001495743
eosinophil-associated, ribonuclease A family, member 2	0,45292672	6,575552717	17,94706129	0,000151775	0,001545346
placenta-specific 8	0,549626225	5,149262382	16,96529181	0,000199962	0,001865824
proteolipid protein 2	0,70414167	9,520123138	16,68855752	0,000216569	0,001865824
N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 1	0,591909706	5,549949835	15,99807971	0,000265373	0,002022599
THO complex 3	0,623218276	5,572776147	15,9293827	0,000270884	0,002022599
eosinophil-associated, ribonuclease A family, member 2	0,455513671	8,250654205	14,9642949	0,000364018	0,00251489
tenascin C	0,595610769	5,432968559	14,81305137	0,000381724	0,00251489
DCN1, defective in cullin neddylation 1, domain containing 4 (S. cerevisiae)	0,504207065	5,544644568	14,0897371	0,00048132	0,002987127
RAS p21 protein activator 4	0,618949367	6,475274906	13,77829268	0,000533169	0,002987127
frequently rearranged in advanced T-cell lymphomas 2	0,564051066	5,211306505	13,77689351	0,000533416	0,002987127
MARVEL (membrane-associating) domain containing 1	0,624801266	7,215544225	13,46791286	0,000591312	0,003069966
low density lipoprotein receptor adaptor protein 1	0,49085116	5,282214637	13,28172804	0,000629669	0,003069966
nonhomologous end-joining factor 1	0,685888605	5,573107319	13,24126631	0,000638378	0,003069966
Kruppel-like factor 4 (gut)	0,558444493	5,101703051	12,97413197	0,000699467	0,003069966
family with sequence similarity 46, member C	0,724500832	7,002481256	12,91757794	0,000713245	0,003069966
mediator complex subunit 15	0,631134215	8,249849389	12,84965969	0,000730204	0,003069966
DNA-damage inducible transcript 3	0,692833904	7,799115308	12,75450222	0,000754749	0,003069966

microtubule associated monoxygenase, calponin and LIM domain containing 1	0,65231889	6,108772374	12,70648748	0,000767492	0,003069966
mannosidase, alpha, class 1C, member 1	0,511159184	5,063836332	12,19235854	0,000920606	0,00344027
zinc finger, X-linked, duplicated A	0,572841884	8,051295266	12,18964898	0,000921501	0,00344027
microsomal glutathione S-transferase 3	0,547299803	6,660906038	12,0769904	0,000959609	0,003466975
plexin domain containing 1	0,566646691	6,016778491	11,91370666	0,001018096	0,003549085
transmembrane protein 184b	0,742041586	11,5322807	11,84030278	0,001045713	0,003549085
AHNAK nucleoprotein (desmoyokin)	0,647501764	9,307967213	11,07025279	0,001393754	0,004591188
zinc finger CCCH type containing 3	0,69184724	7,634129583	10,945464	0,001461876	0,004678003
synapsin I	0,632542985	6,609250726	10,62313773	0,001656237	0,005152739
CAP-GLY domain containing linker protein 1	0,707295033	7,65054877	10,42116582	0,001793103	0,005427772
eosinophil-associated, ribonuclease A family, member 4	0,524718229	6,299890559	10,05371649	0,002076774	0,006121018
RIKEN cDNA A230050P20 gene	0,646257241	7,109738133	9,919612011	0,002192878	0,006185945
unc-13 homolog B (C. elegans)	0,56387452	5,315515735	9,901340298	0,002209266	0,006185945
poly(A) binding protein, cytoplasmic 1	0,714185733	6,083015205	9,663537133	0,002435891	0,006654142
eukaryotic translation initiation factor 4B	0,646140203	6,254375915	9,542930636	0,002560951	0,006829204
AHNAK nucleoprotein (desmoyokin)	0,669638819	5,845524202	9,425108053	0,002690285	0,006849828
selenocysteine lyase	0,656115497	7,148314535	9,407184087	0,002710609	0,006849828
zinc finger and BTB domain containing 9	0,645439138	5,448849995	9,349337627	0,002777413	0,006849828
GDP-mannose pyrophosphorylase B	0,664913657	5,0710508	9,307244681	0,002827212	0,006849828
fermitin family homolog 2 (Drosophila)	0,540367035	5,816816134	9,233787304	0,002916591	0,006849828
galactosidase, beta 1	0,694336432	9,460579392	9,158042312	0,003012163	0,006849828
CCR4 carbon catabolite repression 4-like (S. cerevisiae)	0,657865311	6,983633517	9,132905155	0,00304467	0,006849828
WW domain containing E3 ubiquitin protein ligase 2	0,604439843	4,88717371	9,05542401	0,003147428	0,006849828
kelch-like 22 (Drosophila)	0,680436299	6,367919607	9,036973299	0,003172481	0,006849828
ADP-ribosylation factor-like 6 interacting protein 5	0,699114271	9,763805067	8,997235369	0,003227218	0,006849828
palmitoyl-protein thioesterase 1	0,691741854	7,594253097	8,969241047	0,00326643	0,006849828
phosphatidylinositol 4-kinase type 2 alpha	0,684549951	10,4700564	8,943760394	0,003302596	0,006849828
E74-like factor 2	0,670236007	5,31595082	8,888411644	0,003382749	0,006881077
toll-interleukin 1 receptor (TIR) domain-containing adaptor protein	0,664962007	6,658597964	8,849430446	0,003440538	0,006881077
zinc finger protein 715	0,650028696	6,347875509	8,756695685	0,003582626	0,007039546
SAM domain and HD domain, 1	0,726756121	8,328500037	8,714990539	0,003648712	0,007045789
coactosin-like 1 (Dictyostelium)	0,709215739	12,30005411	8,670074869	0,003721454	0,007063006
numb gene homolog (Drosophila)	0,653056523	4,793195232	8,632400574	0,003783753	0,007063006
cytochrome c oxidase subunit VIIa polypeptide 2-like	0,703564006	10,04871148	8,562261923	0,003902949	0,007166071
N-acetylated alpha-linked acidic dipeptidase-like 2	0,61269885	4,760535551	8,500218279	0,004011988	0,007217405
RIKEN cDNA 1300018I17 gene	0,714425719	5,90182878	8,472554823	0,004061729	0,007217405
plexin A2	0,608189183	5,437471169	8,403728956	0,00418858	0,007217405
protein phosphatase 2, regulatory subunit B (B56), delta isoform	0,711110727	7,520906971	8,403679686	0,004188673	0,007217405
protein kinase C and casein kinase substrate in neurons 1	0,66274854	5,111299277	8,246571868	0,00449564	0,007628966
protease, serine, 46	0,625818453	5,101006238	8,086245403	0,004835797	0,00808372
actinin alpha 4	0,707118201	7,265488351	8,04306873	0,004932385	0,008123928
mitogen-activated protein kinase-activated protein kinase 3	0,683244688	7,883323451	8,006729545	0,005015394	0,008140929
death inducer-obliterator 1	0,690073159	5,629400591	7,90401404	0,005258827	0,008414123
zinc finger, FYVE domain containing 1	0,603514877	5,707283747	7,856283547	0,005376539	0,008481301
laminin, alpha 5	0,653195614	5,00330622	7,739660487	0,005677085	0,008831022
DiGeorge syndrome critical region gene 14	0,702209708	7,290712282	7,63681905	0,005958186	0,009141327
ankyrin repeat domain 11	0,731048691	5,918297861	7,590478918	0,006090043	0,009217362
DNA-damage inducible transcript 3	0,679721139	6,765433835	7,458939383	0,006482942	0,009518892
RAB11 family interacting protein 3 (class II)	0,698742839	5,334160118	7,433569197	0,006562022	0,009518892
methyltransferase like 17	0,681120125	7,156949492	7,42758891	0,006580824	0,009518892
lysophosphatidylcholine acyltransferase 4	0,654691648	5,13932276	7,390591989	0,006698522	0,009518892
histone cluster 1, H2bj	0,670413366	8,875692154	7,385714494	0,006714219	0,009518892
signal-induced proliferation-associated 1 like 2	0,728314064	4,862129779	7,330943565	0,006893403	0,009563754
transmembrane protein 129	0,683471389	7,003214554	7,323959476	0,006916643	0,009563754
DOT1-like, histone H3 methyltransferase (S. cerevisiae)	0,719644716	5,532602813	7,288343567	0,007036566	0,009598325
transmembrane protein 214	0,722552094	6,755288142	7,265991795	0,007113045	0,009598325
predicted pseudogene 9265	0,683509771	6,380954787	7,190778193	0,007377484	0,00975197
solute carrier family 4 (anion exchanger), member 2	0,71678214	8,995822065	7,184226133	0,007401049	0,00975197
family with sequence similarity 168, member B	0,716681352	7,506031473	7,114949257	0,007655563	0,009951253
protein phosphatase 1A, magnesium dependent, alpha isoform	0,737871547	9,990434163	7,095188387	0,007729991	0,009951253
zinc finger protein 161	0,690427449	5,455210109	7,032350317	0,007972241	0,010146488
cDNA sequence BC030476	0,666432256	9,956113936	6,981558829	0,008174424	0,010286916
thymocyte selection-associated high mobility group box	0,697105493	4,722512522	6,902460842	0,00850111	0,010480103
COX4 neighbor	0,746955952	8,880639992	6,885026942	0,008575113	0,010480103
exostoses (multiple)-like 1	0,721493032	7,428906179	6,855165875	0,00870359	0,010480103
platelet derived growth factor, B polypeptide	0,736374529	8,897202543	6,844735686	0,008748985	0,010480103
microtubule-associated protein 1S	0,733902365	7,511453173	6,834043766	0,008795801	0,010480103
general transcription factor II I	0,731352659	9,867766472	6,810416977	0,008900276	0,010492957
homeobox A7	0,729553297	5,091147354	6,781630297	0,009029497	0,010534413
dipeptidylpeptidase 3	0,747318066	8,388234	6,748958967	0,009178769	0,010598167
pyridoxal (pyridoxine, vitamin B6) phosphatase	0,510293436	5,343295705	6,617160431	0,009810382	0,011103833
Nedd4 family interacting protein 2	0,728724858	6,615123656	6,614252352	0,00982487	0,011103833
midline 1	0,690069064	4,801010709	6,596442323	0,009914136	0,011103833
RIKEN cDNA 0610031J06 gene	0,731157917	9,031396224	6,536998345	0,01021888	0,011331828
interferon gamma receptor 2	0,741439198	9,190425129	6,412739576	0,010891263	0,011873084
cell division cycle associated 4	0,729308894	7,041507217	6,404027632	0,010940277	0,011873084
nuclear receptor co-repressor 1	0,719546403	7,425565639	6,382238368	0,011063976	0,011873084
sine oculis-binding protein homolog (Drosophila)	0,71528388	4,766032962	6,370545663	0,011131017	0,011873084
CASK-interacting protein 2	0,670898479	6,459990078	6,314062693	0,011461498	0,012110262
zinc finger, MYND-type containing 15	0,642135212	5,523107702	6,253605297	0,011827767	0,012253893
multiple endocrine neoplasia 1	0,72316018	6,845326069	6,24921756	0,011854867	0,012253893

vacuolar protein sorting 33B (yeast)	0,666902987	6,156617596	6,237809243	0,011925664	0,012253893
coiled-coil domain containing 65	0,706822687	6,513562127	6,008200905	0,013458995	0,013703704
histone cluster 1, H2bn	0,730427718	7,025137501	5,976053982	0,013691222	0,013814566
peptidyl arginine deiminase, type II	0,641001813	4,816446243	5,89602518	0,014289575	0,014289575

Panel 5: Genes significantly up-regulated in *Aggregatibacter actinomycetemcomitans* treated DCs (FDR < 0.05), but not regulated in response to *Porphyromonas gingivalis* challenge.

Name	FC Pg	AveExpr	F	P.Value	adj.P.Val
interleukin 23, alpha subunit p19	1,068128511	6,202275212	554,3903777	8,78E-14	1,52E-10
phospholipase A1 member A	1,155703751	6,200798708	462,4826844	2,97E-13	2,18E-10
histidine decarboxylase	1,204994898	6,363517551	446,3637262	3,77E-13	2,18E-10
phospholipase A1 member A	1,187117576	7,69005837	388,6239503	9,55E-13	4,02E-10
ectonucleotide pyrophosphatase/phosphodiesterase 2	1,202861569	5,744005057	377,4440673	1,16E-12	4,02E-10
niacin receptor 1	1,164970906	5,595976022	317,5579803	3,68E-12	1,06E-09
signaling lymphocytic activation molecule family member 1	1,073136254	5,342792771	258,1785373	1,46E-11	3,61E-09
phospholipase A1 member A	1,125158776	6,788752911	246,7441568	1,97E-11	4,27E-09
G protein-coupled receptor 183	1,105230703	7,408120187	218,6984823	4,39E-11	7,61E-09
predicted gene 14207	1,197965511	5,523323169	218,6323757	4,40E-11	7,61E-09
serine (or cysteine) peptidase inhibitor, clade B, member 2	0,901186743	6,544759598	192,6993293	1,01E-10	1,59E-08
tumor necrosis factor (ligand) superfamily, member 9	1,340794092	5,64489171	163,6188375	2,96E-10	3,74E-08
leucine-rich repeats and immunoglobulin-like domains 1	1,119556213	6,53676943	163,373676	2,99E-10	3,74E-08
schlafen 1	0,919487171	5,565904386	163,0896453	3,02E-10	3,74E-08
histidine decarboxylase	1,041569118	5,233667545	154,8296581	4,25E-10	4,90E-08
RAB26, member RAS oncogene family	0,843826429	7,618814198	151,7302722	4,84E-10	5,24E-08
three prime repair exonuclease 1	1,195766878	8,821403161	147,2607973	5,89E-10	5,69E-08
RIKEN cDNA 2310016C08 gene	1,098866927	9,076090585	147,1579717	5,91E-10	5,69E-08
F-box protein 32	0,76077284	7,672811979	143,866093	6,85E-10	6,24E-08
interferon activated gene 205	1,10379663	5,343228551	140,5956967	7,96E-10	6,89E-08
interferon induced transmembrane protein 1	1,300717033	12,44578827	139,0461654	8,55E-10	7,05E-08
three prime repair exonuclease 1	1,273936841	9,790331342	137,3375249	9,27E-10	7,29E-08
solute carrier family 1 (glial high affinity glutamate transporter), member 2	1,274328156	5,37312577	134,7999538	1,05E-09	7,87E-08
matrix metallopeptidase 13	0,773213785	10,15848465	132,8575275	1,15E-09	8,29E-08
eukaryotic translation initiation factor 2-alpha kinase 2	1,336951686	9,684956207	131,1852099	1,25E-09	8,64E-08
Rho-related BTB domain containing 1	1,168716385	7,042669672	120,8648757	2,12E-09	1,41E-07
ChaC, cation transport regulator-like 1 (E. coli)	0,805308367	6,299887548	118,8694027	2,36E-09	1,47E-07
syndecan binding protein (syntenin) 2	1,178760613	5,812032412	118,7678233	2,37E-09	1,47E-07
sema domain, immunoglobulin domain (Ig), and GPI membrane anchor, (semaphorin) 7A	1,109293002	5,959551094	117,7361636	2,51E-09	1,50E-07
tumor necrosis factor receptor superfamily, member 9	1,260752612	8,778964574	116,5318816	2,68E-09	1,53E-07
interferon-induced protein with tetratricopeptide repeats 3	0,909563964	5,297674393	116,1170942	2,74E-09	1,53E-07
interferon regulatory factor 7	1,343579979	5,543592216	114,9446334	2,93E-09	1,58E-07
RIKEN cDNA 2310016C08 gene	0,998691555	7,440180867	114,2383785	3,05E-09	1,60E-07
sema domain, immunoglobulin domain (Ig), and GPI membrane anchor, (semaphorin) 7A	1,180251766	10,56655789	113,0411362	3,26E-09	1,66E-07
single-stranded DNA binding protein 3	1,266082321	7,800927634	111,6146922	3,54E-09	1,75E-07
dual specificity phosphatase 14	1,345262961	5,489843426	110,9317256	3,68E-09	1,77E-07
vascular endothelial growth factor A	1,395462555	7,27346204	110,3014058	3,82E-09	1,79E-07
histocompatibility 2, class II, locus Mb2	1,382153837	7,717053884	107,4616231	4,51E-09	2,06E-07
RIKEN cDNA 1500031L02 gene	1,229655895	8,721490073	105,7038165	5,01E-09	2,18E-07
reticulon 1	1,185635613	5,982476456	105,6327789	5,04E-09	2,18E-07
interferon induced transmembrane protein 1	1,07989488	5,366147544	101,4976084	6,50E-09	2,75E-07
vitamin D receptor	1,246912528	5,280181803	101,0270966	6,70E-09	2,76E-07
KiSS-1 metastasis-suppressor	1,044344736	4,927051591	100,5967119	6,88E-09	2,77E-07
interleukin 1 receptor antagonist	1,18636943	8,955886403	100,1838262	7,07E-09	2,78E-07
glutaminase 2 (liver, mitochondrial)	1,224106099	8,020144737	99,16757032	7,54E-09	2,90E-07
vasohibin 1	1,313338378	6,81693868	98,20749304	8,02E-09	3,02E-07
vitamin D receptor	1,264970948	7,137559636	97,25738166	8,54E-09	3,14E-07
TNF receptor associated factor 4	1,065835082	5,207240797	96,92190843	8,73E-09	3,15E-07
fibroblast growth factor receptor 2	1,020222392	5,331587103	94,08422135	1,05E-08	3,69E-07
SEC14 and spectrin domains 1	1,171751311	6,212688631	93,69156674	1,08E-08	3,69E-07
TRAF3 interacting protein 2	1,41566043	5,293755266	93,46915588	1,10E-08	3,69E-07
poly (ADP-ribose) polymerase family, member 12	1,196184588	6,940100702	93,33711368	1,11E-08	3,69E-07
reticulon 1	1,209024523	5,308300188	90,22420301	1,38E-08	4,49E-07
chemokine (C-X-C motif) receptor 5	1,145399908	5,670786837	88,18014106	1,59E-08	5,10E-07
CD86 antigen	1,450942605	7,830608938	86,77391404	1,76E-08	5,42E-07
F-box protein 32	1,229500782	5,397952189	86,68623464	1,77E-08	5,42E-07
glutaminase 2 (liver, mitochondrial)	1,292705787	7,808407061	86,58415825	1,78E-08	5,42E-07
huntingtin interacting protein 1 related	0,924384157	4,93272434	84,09900024	2,14E-08	6,40E-07
solute carrier family 1 (glial high affinity glutamate transporter), member 2	1,359216468	5,808912106	83,48317647	2,25E-08	6,55E-07
SH3 domain binding glutamic acid-rich protein like 2	0,885575932	6,447968197	83,33571298	2,27E-08	6,55E-07
interferon-induced protein with tetratricopeptide repeats 2	1,040915808	5,18844882	82,41095248	2,44E-08	6,92E-07
DEXH (Asp-Glu-X-His) box polypeptide 58	1,44221566	6,599379047	80,49679358	2,83E-08	7,89E-07
neural precursor cell expressed, developmentally down-regulated gene 9	1,228818414	7,484461087	79,55936296	3,04E-08	8,36E-07
CD81 antigen	1,389309184	11,9432622	77,45675648	3,60E-08	9,73E-07
2'-5' oligoadenylate synthetase-like 1	1,259274333	5,191565466	76,35500263	3,93E-08	1,05E-06
interferon-induced protein 35	1,043877006	8,916539992	75,23858918	4,31E-08	1,13E-06
ectonucleotide pyrophosphatase/phosphodiesterase 2	0,865367173	5,405851498	74,47186764	4,60E-08	1,19E-06
DEXH (Asp-Glu-X-His) box polypeptide 58	1,467155543	7,238091525	74,13480602	4,73E-08	1,20E-06
asparagine synthetase	1,028339511	8,424675795	71,52307548	5,92E-08	1,48E-06
gene rich cluster, C10 gene	1,33391491	9,637366524	70,75882385	6,33E-08	1,56E-06
nuclear protein 1	1,353547275	8,257943048	70,20013504	6,64E-08	1,62E-06
class II transactivator	1,274008901	8,93984959	70,04894398	6,73E-08	1,62E-06
guanine nucleotide binding protein (G protein), gamma 4	1,216274077	5,271054633	69,72715374	6,93E-08	1,64E-06

adenosine A2b receptor	1,00609876	6,949836124	69,2305788	7,24E-08	1,69E-06
immunity-related GTPase family M member 2	0,997246631	7,465725483	68,83328212	7,51E-08	1,72E-06
predicted gene, 20056	1,30834466	7,106612215	68,7447907	7,57E-08	1,72E-06
signal transducer and activator of transcription 5A	1,280390106	8,37466206	68,11172059	8,01E-08	1,78E-06
neural precursor cell expressed, developmentally down-regulated gene 9	1,173918918	7,230217421	68,08534737	8,03E-08	1,78E-06
BCL2-like 11 (apoptosis facilitator)	1,44730564	6,863263563	67,94151913	8,14E-08	1,78E-06
interferon activated gene 205	1,145088302	4,868284622	67,46233354	8,50E-08	1,84E-06
chondroitin sulfate N-acetylgalactosaminyltransferase 1	1,402409999	5,288705323	67,3289432	8,61E-08	1,84E-06
family with sequence similarity 46, member A	0,801981974	7,764713275	66,98588291	8,89E-08	1,87E-06
RIKEN cDNA 1500003O03 gene	1,050201231	7,064793579	66,79749486	9,04E-08	1,87E-06
reticulon 1	1,152265661	5,875184376	66,77797837	9,06E-08	1,87E-06
castor homolog 1, zinc finger (Drosophila)	0,862747125	6,674794272	66,56526842	9,24E-08	1,88E-06
RIKEN cDNA 9130014G24 gene	1,079280615	4,928454041	65,40123192	1,03E-07	2,07E-06
sema domain, immunoglobulin domain (Ig), TM domain, and short cytoplasmic domain	0,989546446	5,180336617	65,10879828	1,06E-07	2,11E-06
cerebellin 1 precursor protein	1,34697823	6,049517444	64,86120468	1,08E-07	2,13E-06
pleckstrin homology domain containing, family G (with RhoGef domain) member 3	0,841184068	7,912608923	64,6304917	1,11E-07	2,15E-06
cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial	0,954856635	5,724257073	64,53892293	1,12E-07	2,15E-06
transducin-like enhancer of split 1, homolog of Drosophila E(spl)	1,340938576	6,341464646	63,64529969	1,22E-07	2,32E-06
family with sequence similarity 169, member B	1,264748713	5,820629185	63,39661886	1,25E-07	2,33E-06
signal transducer and activator of transcription 1	1,232644583	8,154692642	63,38306802	1,25E-07	2,33E-06
UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 10	1,305629143	8,792782827	63,23431721	1,27E-07	2,33E-06
kinesin family member 5C	1,346553368	5,889878285	62,3612488	1,38E-07	2,51E-06
Kruppel-like factor 5	1,134561873	6,3706796	62,28026814	1,39E-07	2,51E-06
signal transducer and activator of transcription 1	1,233917214	9,584862368	61,5327042	1,50E-07	2,68E-06
killer cell lectin-like receptor family I member 1	1,01838194	5,760826084	61,10090243	1,57E-07	2,75E-06
RIKEN cDNA 1110012D08 gene	1,321892808	8,340240457	61,0389768	1,58E-07	2,75E-06
5'-nucleotidase, cytosolic III	1,140949546	8,584716598	60,81820162	1,61E-07	2,78E-06
small proline-rich protein 2D	1,037496371	5,343640369	60,75579715	1,62E-07	2,78E-06
tribbles homolog 3 (Drosophila)	1,143130552	5,657198231	60,32497339	1,69E-07	2,87E-06
synaptotagmin VII	1,153325791	7,832313211	59,75466482	1,79E-07	3,02E-06
interferon gamma induced GTPase	1,132330309	6,972788586	58,78060286	1,98E-07	3,30E-06
Musashi homolog 2 (Drosophila)	1,100307918	6,388044608	58,46314915	2,05E-07	3,38E-06
nitric oxide synthase 2, inducible	0,97274798	4,982973775	58,38015589	2,07E-07	3,38E-06
prostaglandin E synthase	1,508801465	5,61386313	57,53443511	2,26E-07	3,66E-06
whirlin	1,092760112	7,47658333	56,54216599	2,51E-07	4,01E-06
ring finger protein 213	0,765015224	9,701420689	56,47863546	2,53E-07	4,01E-06
collagen, type IV, alpha 2	1,757919279	6,435185076	56,42168838	2,55E-07	4,01E-06
SEC14 and spectrin domains 1	1,157275568	9,440749371	55,90749395	2,69E-07	4,20E-06
galactose-3-O-sulfotransferase 1	1,299085967	5,194571858	55,43292363	2,84E-07	4,33E-06
2'-5' oligoadenylate synthetase-like 2	1,332329876	8,407172424	55,40938504	2,84E-07	4,33E-06
Rap guanine nucleotide exchange factor (GEF) 5	1,336077001	6,117925934	55,38150148	2,85E-07	4,33E-06
zinc finger, MYM-type 3	1,250485185	8,390013443	53,49986567	3,52E-07	5,29E-06
poly (ADP-ribose) polymerase family, member 14	1,018017864	9,490746229	52,88057088	3,77E-07	5,61E-06
immunity-related GTPase family M member 1	1,04689381	7,367367895	52,83209979	3,79E-07	5,61E-06
lymphocyte antigen 6 complex, locus A	1,471465733	7,152990843	52,30190145	4,03E-07	5,91E-06
interleukin 15 receptor, alpha chain	1,097906653	7,025403776	51,76632773	4,29E-07	6,24E-06
hepcidin antimicrobial peptide	0,859563081	5,371596823	51,52141826	4,41E-07	6,36E-06
opioid growth factor receptor	1,224310875	10,04248094	51,43107199	4,46E-07	6,36E-06
interferon regulatory factor 4	0,904275924	9,367244567	51,38581867	4,48E-07	6,36E-06
interferon induced transmembrane protein 3	0,737944181	12,01734693	51,12345948	4,62E-07	6,51E-06
nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon	1,368147377	8,573482495	50,54006558	4,95E-07	6,92E-06
ubiquitin specific peptidase 18	0,841409963	8,378833363	50,42973224	5,02E-07	6,95E-06
syndecan binding protein (syntenin) 2	1,064473035	4,77818473	50,155006	5,19E-07	7,13E-06
signaling lymphocytic activation molecule family member 1	1,052542574	4,865636128	49,95615179	5,31E-07	7,21E-06
killer cell lectin-like receptor family I member 1	0,948625844	5,596701611	49,92036316	5,33E-07	7,21E-06
HtrA serine peptidase 4	1,209816081	5,815036563	49,74982068	5,45E-07	7,28E-06
RIKEN cDNA 2610019E17 gene	0,910477445	8,620024682	49,72042171	5,46E-07	7,28E-06
a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 9	1,067638943	5,067932245	49,50843279	5,61E-07	7,41E-06
promyelocytic leukemia	1,143609761	7,793898664	49,38806639	5,69E-07	7,46E-06
insulin-like growth factor 2	0,960890113	5,041023508	48,54048799	6,31E-07	8,21E-06
RIKEN cDNA 4833442J19 gene	1,100923957	6,278852469	48,21480844	6,57E-07	8,48E-06
carbonic anhydrase 2	1,004567054	7,06945074	47,82909575	6,89E-07	8,84E-06
tubulin, beta 6	1,260340898	11,27433302	47,67603299	7,02E-07	8,94E-06
FK506 binding protein 1a	1,141356742	10,88308242	47,57177992	7,12E-07	8,99E-06
solute carrier family 7 (cationic amino acid transporter, y+ system), member 5	1,270171329	7,470304939	46,82641194	7,82E-07	9,81E-06
thyroglobulin	1,114797072	5,080479537	46,50379739	8,15E-07	1,01E-05
follistatin-like 1	1,368527808	5,942920908	46,29334019	8,37E-07	1,03E-05
RIKEN cDNA 1700113I22 gene	1,142374654	5,731466242	46,01030769	8,68E-07	1,07E-05
disabled homolog 2 (Drosophila)	0,88216972	7,310611873	45,72174996	9,01E-07	1,10E-05
TNF receptor associated factor 4	0,792488159	5,066395376	45,59596846	9,16E-07	1,11E-05
disabled homolog 2 (Drosophila)	1,188646474	8,237515489	45,44492181	9,34E-07	1,12E-05
mucosa associated lymphoid tissue lymphoma translocation gene 1	1,210121089	8,55148934	45,08043017	9,80E-07	1,17E-05
hypothetical LOC100504230	0,938024844	8,082307383	44,93832296	9,98E-07	1,18E-05
hemolytic complement	1,45313421	5,192081678	44,89310435	1,00E-06	1,18E-05
acyl-Coenzyme A dehydrogenase, medium chain	1,302496908	8,565491338	44,14314494	1,11E-06	1,30E-05
kelch-like 25 (Drosophila)	0,768657609	7,035544375	43,85513894	1,15E-06	1,34E-05
Rap guanine nucleotide exchange factor (GEF) 5	1,020660513	5,406613075	43,47179845	1,21E-06	1,40E-05
insulin-like growth factor I receptor	1,010786447	6,039833127	43,42479843	1,22E-06	1,40E-05
laminin, gamma 1	1,087939802	6,352036439	42,78314086	1,33E-06	1,52E-05
matrix metallopeptidase 13	1,091964165	6,221666315	42,40793302	1,40E-06	1,59E-05
transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	1,115926084	10,6006879	42,08301913	1,47E-06	1,65E-05

torsin family 3, member A	0,999524248	8,619649869	42,03338332	1,48E-06	1,65E-05
integrin alpha V	1,053689859	5,251979705	41,96899477	1,49E-06	1,66E-05
ubiquitin specific peptidase 53	1,218396167	5,846647275	41,66272232	1,56E-06	1,72E-05
FtsJ methyltransferase domain containing 2	1,187878597	11,18977427	41,38328298	1,62E-06	1,78E-05
ST3 beta-galactoside alpha-2,3-sialyltransferase 1	1,325561617	7,992844102	40,87377104	1,74E-06	1,90E-05
calcium and integrin binding 1 (calmyrin)	1,340943584	10,84024462	40,39920672	1,87E-06	2,02E-05
adenosine deaminase, RNA-specific	1,088489734	7,820296615	40,21588456	1,92E-06	2,06E-05
carbohydrate sulfotransferase 11	1,127976927	6,661397276	40,14512878	1,94E-06	2,07E-05
castor homolog 1, zinc finger (Drosophila)	0,880230531	7,424599326	40,04021096	1,97E-06	2,09E-05
transducin-like enhancer of split 1, homolog of Drosophila E(spl)	1,043607988	5,634191442	39,93154658	2,00E-06	2,11E-05
H2A histone family, member Y	1,272665745	10,05267434	39,75134252	2,05E-06	2,15E-05
calcium-binding tyrosine-(Y)-phosphorylation regulated (fibrousheathin 2)	1,393680302	7,469466396	39,4522088	2,14E-06	2,23E-05
dual specificity phosphatase 8	1,122585859	4,726560801	39,27538045	2,20E-06	2,28E-05
methionyl aminopeptidase 1	1,065173906	9,466756143	39,12186353	2,25E-06	2,30E-05
inhibitor of DNA binding 2	1,349999013	10,37578721	39,09643141	2,26E-06	2,30E-05
WNK lysine deficient protein kinase 1	1,30523309	10,05945803	39,0818337	2,26E-06	2,30E-05
2'-5' oligoadenylate synthetase 1G	0,827588426	8,35100329	39,03018279	2,28E-06	2,31E-05
solute carrier organic anion transporter family, member 3a1	1,372081398	5,132632004	38,13475321	2,61E-06	2,62E-05
chemokine (C-X-C motif) ligand 10	1,20561396	5,463632042	37,92204672	2,69E-06	2,70E-05
MARCKS-like 1	1,254491353	7,973987103	37,7811298	2,75E-06	2,74E-05
deltex 2 homolog (Drosophila)	1,177461835	7,415024493	37,73428818	2,77E-06	2,74E-05
asparagine synthetase	0,974739142	6,112033544	37,38886576	2,92E-06	2,88E-05
RIKEN cDNA 1700113I22 gene	1,101379033	5,762155237	37,27643195	2,97E-06	2,91E-05
tumor necrosis factor (ligand) superfamily, member 8	1,157233885	4,802543277	36,88479839	3,16E-06	3,07E-05
arrestin domain containing 3	1,076309955	5,922398555	36,85043269	3,18E-06	3,07E-05
signal transducer and activator of transcription 3	1,227513778	9,967491897	36,70326583	3,25E-06	3,12E-05
endothelin 1	1,074343176	4,851203637	36,6855701	3,26E-06	3,12E-05
peripheral myelin protein 22	1,288469426	7,447923154	36,59983681	3,31E-06	3,14E-05
Z-DNA binding protein 1	1,041017977	5,111467927	36,58131837	3,31E-06	3,14E-05
intermediate filament family orphan 2	1,133526088	7,703310617	36,44754849	3,39E-06	3,18E-05
RAB5A, member RAS oncogene family	1,073586976	8,315740392	36,40564031	3,41E-06	3,19E-05
solute carrier family 2 (facilitated glucose transporter), member 3	0,791733625	5,519344105	36,37356097	3,42E-06	3,19E-05
TLC domain containing 1	1,036466698	5,800566309	35,90251035	3,69E-06	3,41E-05
thymoma viral proto-oncogene 3	1,059712218	8,583332385	35,86937027	3,71E-06	3,41E-05
prostaglandin-endoperoxide synthase 2	1,140620116	5,081831438	35,85369647	3,72E-06	3,41E-05
caspase 2	1,287374839	9,202737999	35,80880794	3,75E-06	3,41E-05
topoisomerase (DNA) I	1,378842433	7,801252887	35,70147839	3,81E-06	3,45E-05
metastasis associated in colon cancer 1	1,258125897	5,251981686	35,59481228	3,88E-06	3,50E-05
interleukin 15 receptor, alpha chain	1,282614216	8,009815392	35,48126688	3,95E-06	3,53E-05
ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	1,19590997	11,05788005	35,46518059	3,96E-06	3,53E-05
RUN and SH3 domain containing 2	0,911144636	8,920910043	35,39708397	4,00E-06	3,55E-05
ubiquitin specific peptidase 18	0,705585767	10,55898093	35,27927551	4,08E-06	3,60E-05
solute carrier organic anion transporter family, member 3a1	1,378890183	5,329690324	35,14942811	4,17E-06	3,63E-05
deltex 3-like (Drosophila)	1,329034191	8,163656961	35,12739699	4,18E-06	3,63E-05
glutathione S-transferase omega 1	1,195555838	13,04382365	35,10911929	4,19E-06	3,63E-05
ubiquitin specific peptidase 18	0,867524426	9,796427512	35,10351814	4,20E-06	3,63E-05
CUGBP, Elav-like family member 6	1,342204446	5,399219099	35,05942686	4,23E-06	3,64E-05
integrin alpha 5 (fibronectin receptor alpha)	1,261052282	7,076798969	34,93300363	4,32E-06	3,68E-05
phosphatidylinositol 3-kinase catalytic delta polypeptide	0,984701144	6,638352617	34,91421317	4,33E-06	3,68E-05
GLI-Kruppel family member GLI3	1,173662095	8,064848737	34,89694029	4,34E-06	3,68E-05
dual specificity phosphatase 8	1,053886845	4,931462243	34,62984952	4,54E-06	3,83E-05
phosphatidylinositol glycan anchor biosynthesis, class X	1,026270834	10,61179456	34,59817818	4,56E-06	3,83E-05
spermine oxidase	1,244274031	7,105375815	34,51029813	4,63E-06	3,86E-05
adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 1	1,270532942	9,955562908	34,48689098	4,64E-06	3,86E-05
UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 10	1,011742473	5,978017405	34,32291666	4,77E-06	3,95E-05
2'-5' oligoadenylate synthetase 1G	0,960939226	9,241592326	34,24440062	4,83E-06	3,98E-05
poliovirus receptor-related 2	1,207435375	7,076151514	34,01885827	5,02E-06	4,12E-05
acyl-CoA synthetase long-chain family member 4	1,327249582	6,293696842	33,88901162	5,13E-06	4,19E-05
signal transducer and activator of transcription 2	1,109297298	7,134583981	33,83931052	5,17E-06	4,20E-05
myxovirus (influenza virus) resistance 2	1,134852681	6,703728672	33,81104151	5,20E-06	4,20E-05
protein tyrosine phosphatase-like (proline instead of catalytic arginine), member a	1,031028171	7,832608781	33,56925221	5,41E-06	4,36E-05
interleukin 15 receptor, alpha chain	1,214610519	7,298998734	33,54020877	5,44E-06	4,36E-05
ST3 beta-galactoside alpha-2,3-sialyltransferase 1	1,261913881	5,685387931	33,36946165	5,60E-06	4,46E-05
leucine-rich repeats and calponin homology (CH) domain containing 1	1,041408439	6,47211009	33,3435602	5,62E-06	4,46E-05
antigen identified by monoclonal antibody Ki 67	1,253451574	5,318588263	33,27296387	5,69E-06	4,50E-05
signal transducer and activator of transcription 3	1,362133456	10,4868321	32,96349051	6,00E-06	4,70E-05
SAM domain, SH3 domain and nuclear localization signals, 1	1,464570824	8,884903154	32,95973786	6,00E-06	4,70E-05
gap junction protein, alpha 1	1,13151828	8,238652591	32,79798464	6,17E-06	4,81E-05
TNFAIP3 interacting protein 1	0,785411788	9,963680135	32,58374658	6,40E-06	4,97E-05
Vpr (HIV-1) binding protein	1,102829063	6,583432444	32,41892467	6,59E-06	5,09E-05
proviral integration site 1	1,49532633	5,671622843	32,15207298	6,90E-06	5,31E-05
phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p85 alpha)	1,242160689	10,52055265	32,10259816	6,96E-06	5,33E-05
TSC22 domain family, member 3	0,930777858	8,757637201	31,95925774	7,14E-06	5,45E-05
2'-5' oligoadenylate synthetase-like 2	0,91217967	5,039539372	31,88937788	7,23E-06	5,49E-05
RAB12, member RAS oncogene family	1,337724123	7,696550431	31,75520084	7,40E-06	5,58E-05
F11 receptor	1,062162721	6,377023716	31,74827053	7,41E-06	5,58E-05
myotubularin related protein 14	1,291734542	7,154876568	31,60354782	7,60E-06	5,70E-05
histocompatibility 2, O region beta locus	0,942935438	5,190162471	31,58219078	7,63E-06	5,70E-05
decorin	0,690879607	5,414210783	31,0732896	8,36E-06	6,21E-05
cytochrome c oxidase, subunit XVII assembly protein homolog (yeast)	1,239879165	12,47337066	31,04355845	8,41E-06	6,22E-05
stromal membrane-associated GTPase-activating protein 2	1,174715707	11,79795675	30,93830756	8,57E-06	6,31E-05

interferon regulatory factor 9	1,226989664	9,204252757	30,77409396	8,82E-06	6,47E-05
interferon regulatory factor 9	1,037126031	7,494401661	30,75433637	8,86E-06	6,47E-05
phosphatidylinositol-5-phosphate 4-kinase, type II, alpha	1,161150497	12,21697894	30,72117885	8,91E-06	6,48E-05
MARCKS-like 1	1,348946806	7,125069416	30,60741337	9,10E-06	6,59E-05
proviral integration site 3	1,21647407	8,813844346	30,25454038	9,70E-06	7,00E-05
ubiquitin-conjugating enzyme E2L 6	1,216790275	7,747499357	30,23248526	9,74E-06	7,00E-05
interleukin 17 receptor D	1,385922713	5,005194816	30,21049506	9,78E-06	7,00E-05
oncostatin M	1,57568306	5,700025655	30,03243872	1,01E-05	7,20E-05
solute carrier family 22 (organic cation transporter), member 5	1,259482575	7,446086029	29,98269792	1,02E-05	7,24E-05
leucine zipper transcription factor-like 1	1,269455413	7,656884292	29,92170784	1,03E-05	7,29E-05
RIKEN cDNA 1500003O03 gene	1,328963194	5,816077045	29,85120398	1,05E-05	7,34E-05
transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	0,957899231	7,005785611	29,84310065	1,05E-05	7,34E-05
adenosine deaminase, RNA-specific	1,047544397	7,295340377	29,63454032	1,09E-05	7,60E-05
zinc finger homeobox 3	1,161933168	8,747776484	29,48295023	1,12E-05	7,78E-05
predicted gene 6377	1,359320932	5,08042088	29,43498448	1,13E-05	7,82E-05
acyl-CoA synthetase long-chain family member 4	1,224290219	7,11341777	29,34916905	1,15E-05	7,92E-05
RIKEN cDNA 2310014L17 gene	1,038028888	4,967111967	29,19099348	1,18E-05	8,13E-05
claudin domain containing 1	1,271301679	7,58468095	29,0405916	1,22E-05	8,33E-05
RIKEN cDNA 2010002N04 gene	1,907201199	6,114949955	28,89892358	1,25E-05	8,52E-05
colony stimulating factor 3 (granulocyte)	0,979263938	4,916125708	28,76370269	1,28E-05	8,71E-05
Max interacting protein 1	1,82845187	6,860518174	28,72932003	1,29E-05	8,74E-05
chemokine (C-X-C motif) ligand 16	1,213820565	9,731606372	28,60228274	1,32E-05	8,92E-05
basic leucine zipper transcription factor, ATF-like 3	0,772417396	7,931579506	28,38440326	1,38E-05	9,26E-05
protein kinase inhibitor beta, cAMP dependent, testis specific	1,296436693	11,565316	28,35065383	1,39E-05	9,29E-05
density-regulated protein	1,179073483	5,377864814	28,32095672	1,40E-05	9,31E-05
PDZK1 interacting protein 1	1,435335894	5,777833036	28,17870973	1,44E-05	9,53E-05
chemokine (C-X-C motif) receptor 5	0,977190988	4,898692412	28,11616637	1,45E-05	9,61E-05
RUN and SH3 domain containing 2	0,938705451	9,374205478	28,08468944	1,46E-05	9,63E-05
triosephosphate isomerase 1	1,297165926	10,77686616	28,06093091	1,47E-05	9,64E-05
zinc finger homeobox 3	1,068176955	6,848090968	27,97339614	1,50E-05	9,74E-05
torsin A interacting protein 1	1,077742457	8,733196246	27,97153997	1,50E-05	9,74E-05
predicted gene 12250	1,073818697	5,12073885	27,73550296	1,57E-05	0,00010162
erythrocyte protein band 4.1-like 2	1,281428453	8,727690655	27,59046503	1,61E-05	0,000104186
ornithine decarboxylase, structural 1	1,034131799	10,07464134	27,31626379	1,70E-05	0,000109617
malate dehydrogenase 1, NAD (soluble)	1,27969108	6,911642109	26,96993788	1,83E-05	0,000117072
EGL nine homolog 3 (C. elegans)	1,710077907	6,125775351	26,88845714	1,86E-05	0,000118576
adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 1	1,331211342	10,33030241	26,86959709	1,86E-05	0,000118591
TNFAIP3 interacting protein 1	0,954414408	8,385136278	26,73420916	1,92E-05	0,000121445
solute carrier family 35, member E1	0,974817277	8,804268098	26,50834787	2,01E-05	0,000126703
ubiquitin-conjugating enzyme E2L 6	1,18657886	8,639806109	26,40201635	2,05E-05	0,000128713
RIKEN cDNA 2400003C14 gene	1,20900608	6,76841622	26,39602553	2,05E-05	0,000128713
caspase 6	1,006314677	8,594904451	26,36359418	2,07E-05	0,000129105
DENN/MADD domain containing 3	1,44405157	9,200357197	26,32409853	2,08E-05	0,000129689
amphiregulin	1,279810396	5,332473679	26,06664664	2,20E-05	0,00013628
RNA binding motif protein 11	1,155673001	5,228177283	26,04044339	2,21E-05	0,000136533
signal transducer and activator of transcription 3	1,18826984	8,302902992	26,01786012	2,22E-05	0,000136686
topoisomerase (DNA) I	1,195041314	5,003604103	25,97065323	2,24E-05	0,000137543
PHD finger protein 11	1,387668739	7,366855966	25,85949971	2,29E-05	0,000140267
Nedd4 family interacting protein 1	1,146540892	9,273338237	25,83485838	2,31E-05	0,000140295
TNF receptor-associated factor 3	0,890132749	9,072248725	25,82479471	2,31E-05	0,000140295
acidic (leucine-rich) nuclear phosphoprotein 32 family, member A	1,784571576	6,977979039	25,80237817	2,32E-05	0,000140461
Shwachman-Bodian-Diamond syndrome homolog (human)	1,273111777	11,65726912	25,74813374	2,35E-05	0,000141568
follistatin-like 1	1,280936545	5,058198385	25,59867923	2,42E-05	0,00014557
DNA segment, Chr 14, ERATO Doi 668, expressed	1,305345261	6,492762365	25,56879393	2,44E-05	0,000145981
Nedd4 family interacting protein 1	1,14043659	11,23163747	25,44279475	2,50E-05	0,000149395
transducin (beta)-like 1 X-linked	1,385468842	8,122426735	25,23887447	2,61E-05	0,000155412
HOP homeobox	1,015685116	5,075497827	25,22413897	2,62E-05	0,000155412
stromal membrane-associated GTPase-activating protein 2	1,100207868	7,901255558	25,12042046	2,68E-05	0,000158342
hexokinase 2	1,362312713	9,858194316	24,98774776	2,76E-05	0,000162345
inositol (myo)-1(or 4)-monophosphatase 2	1,199773461	5,822175157	24,78458088	2,88E-05	0,000169019
cytohesin 1	1,001366011	7,982323232	24,75844252	2,90E-05	0,000169401
ring finger protein 114	1,276007369	7,754684976	24,56951969	3,02E-05	0,000175336
lon peptidase 1, mitochondrial	0,964622875	6,692046032	24,5682795	3,02E-05	0,000175336
engulfment and cell motility 1, ced-12 homolog (C. elegans)	0,925816766	9,90158136	24,48574533	3,07E-05	0,000177915
transmembrane and coiled-coil domains 6	1,379382555	6,270138264	24,39353081	3,14E-05	0,000180924
family with sequence similarity 160, member B1	0,989292223	8,926151201	24,28823039	3,21E-05	0,000184525
receptor (calcitonin) activity modifying protein 3	1,18949376	11,95822454	24,16479482	3,30E-05	0,000188966
solute carrier family 22 (organic cation transporter), member 5	1,401009242	6,410287166	24,11504313	3,33E-05	0,000189814
notum pectinacetylesterase homolog (Drosophila)	0,911384466	4,852849708	24,11449308	3,33E-05	0,000189814
alpha-kinase 2	0,873427242	5,470971533	24,00907948	3,41E-05	0,000193645
ZXD family zinc finger C	0,970267604	6,407625076	23,97979752	3,43E-05	0,000194232
phosphofructokinase, platelet	1,220604867	7,386856943	23,96587197	3,44E-05	0,000194232
microtubule associated serine/threonine kinase family member 4	1,275754972	5,771308214	23,94120962	3,46E-05	0,000194662
peroxiredoxin 4	1,052918476	11,37638027	23,91805738	3,48E-05	0,00019503
phosphoinositide-3-kinase, regulatory subunit 6	1,283346809	6,927676058	23,83595018	3,55E-05	0,000197531
RIKEN cDNA 2400003C14 gene	1,322988384	11,20191066	23,81907211	3,56E-05	0,000197531
receptor (calcitonin) activity modifying protein 3	1,16564042	11,29553685	23,8172063	3,56E-05	0,000197531
solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 1	1,223846861	10,52801772	23,72554122	3,63E-05	0,000200928
ADP-ribosylarginine hydrolase	1,343631084	11,48173006	23,69572278	3,66E-05	0,000200928
actinin, alpha 1	1,30184378	12,63523806	23,69454953	3,66E-05	0,000200928
RAB26, member RAS oncogene family	1,101733294	5,170200678	23,68361061	3,67E-05	0,000200928

expressed sequence AU022252	1,367112682	6,769177611	23,56843343	3,76E-05	0,000205526
WNK lysine deficient protein kinase 1	1,49743935	5,691748232	23,54543469	3,78E-05	0,00020594
FERM domain containing 6	1,207608248	5,930104578	23,4998724	3,82E-05	0,000206985
WW domain containing transcription regulator 1	0,819520019	5,024574752	23,49499863	3,83E-05	0,000206985
gap junction protein, beta 2	1,098479153	4,757225901	23,46454104	3,85E-05	0,000207759
phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p85 alpha)	1,118795791	10,50449226	23,30834311	3,99E-05	0,000214545
RAB34, member of RAS oncogene family	0,823486048	6,454603791	23,27662252	4,02E-05	0,000215422
acyl-CoA synthetase long-chain family member 4	1,138591672	5,094679778	23,16872605	4,12E-05	0,00022008
ATPase type 13A4	1,177815496	5,047949534	22,99933358	4,28E-05	0,00022804
zinc fingers and homeoboxes 2	1,263638442	5,898610263	22,98089764	4,30E-05	0,000228301
basic helix-loop-helix family, member e40	1,218654657	12,39923241	22,9450007	4,34E-05	0,000229275
DEAD (Asp-Glu-Ala-Asp) box polypeptide 24	1,190959836	7,368070314	22,93558706	4,34E-05	0,000229275
non imprinted in Prader-Willi/Angelman syndrome 1 homolog (human)	1,243634704	8,333915658	22,91514831	4,36E-05	0,000229651
proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional peptidase 7)	1,216125789	9,434567813	22,89485744	4,39E-05	0,000230023
integrin alpha L	1,482220443	5,660942892	22,83915106	4,44E-05	0,000231869
predicted gene 4951	1,002193674	4,766526857	22,83374307	4,45E-05	0,000231869
myeloid nuclear differentiation antigen like	1,16930228	5,208510358	22,71888261	4,57E-05	0,000236697
RIKEN cDNA 2010106G01 gene	1,101815558	4,885818719	22,70034165	4,59E-05	0,000236697
G-protein coupled receptor 65	1,320114624	10,16404431	22,69985044	4,59E-05	0,000236697
RalBP1 associated Eps domain containing protein	1,262499205	9,763870788	22,69234514	4,59E-05	0,000236697
zinc finger E-box binding homeobox 1	1,215373713	9,223342262	22,66856891	4,62E-05	0,000237294
lectin, galactoside-binding, soluble, 3 binding protein	1,330379457	10,79694552	22,53004158	4,77E-05	0,00024431
activating transcription factor 4	1,034370766	9,36862426	22,44390653	4,87E-05	0,000248317
casein kinase 1, delta	1,401368769	6,657916118	22,43475593	4,88E-05	0,000248317
histocompatibility 2, M region locus 3	1,238440655	9,894675555	22,38881007	4,93E-05	0,000250256
density-regulated protein	1,062950286	6,315423288	22,34000699	4,99E-05	0,000252384
AT-hook transcription factor	1,191419353	8,483508463	22,107664	5,27E-05	0,000265753
interferon regulatory factor 8	1,285696513	11,24636995	22,03053588	5,36E-05	0,000269847
S100 calcium binding protein A10 (calpactin)	1,150177065	10,4460738	21,87679501	5,56E-05	0,000279046
PTC7 protein phosphatase homolog (S. cerevisiae)	1,083823306	10,49896826	21,74710625	5,74E-05	0,000286799
RIKEN cDNA 6330416G13 gene	0,926132688	8,031545332	21,73743836	5,75E-05	0,000286799
glutamate dehydrogenase 1	1,147126379	9,12570985	21,71153793	5,78E-05	0,000287749
NIMA (never in mitosis gene a)-related expressed kinase 8	1,194962226	5,906471453	21,56190699	6,00E-05	0,000297395
pleckstrin and Sec7 domain containing 3	1,035660511	4,756582181	21,53230448	6,04E-05	0,000298663
cyclin-dependent kinase inhibitor 1A (P21)	0,880813773	9,343394384	21,44979209	6,16E-05	0,000303788
spermatogenesis associated 2-like	1,085369046	6,254463177	21,41742116	6,21E-05	0,0003053
TNF receptor-associated factor 3	0,937085345	8,775043669	21,34446262	6,32E-05	0,000309852
RIKEN cDNA 4930539E08 gene	1,16373651	5,033097602	21,27136739	6,43E-05	0,00031386
cyclin-dependent kinase 1	0,829450758	6,925122147	21,26812082	6,44E-05	0,00031386
glutathione S-transferase, theta 4	0,987957058	4,905418488	21,21288928	6,52E-05	0,000316939
RNA binding protein gene with multiple splicing	1,302091549	6,502524003	21,20482105	6,54E-05	0,000316939
procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha II polypeptide	0,966439274	7,595137612	21,1565423	6,61E-05	0,00031979
ERBB receptor feedback inhibitor 1	0,811256287	8,133766286	21,0618755	6,77E-05	0,000326354
Bardet-Biedl syndrome 4 (human)	1,011799289	6,863067881	20,88259154	7,07E-05	0,000339589
rearranged L-myc fusion sequence	1,075640411	5,639600351	20,87716584	7,08E-05	0,000339589
WAS/WASL interacting protein family, member 1	1,143614023	10,30694503	20,839808	7,15E-05	0,000341781
alanyl-tRNA synthetase	0,947424476	9,779554038	20,74278744	7,32E-05	0,000349103
transcriptional regulator, SIN3B (yeast)	1,155286214	8,571494652	20,62941522	7,53E-05	0,000358064
RAB guanine nucleotide exchange factor (GEF) 1	1,085545057	10,45255268	20,5970802	7,59E-05	0,000358622
RAB34, member of RAS oncogene family	1,125166696	4,909066296	20,59182395	7,60E-05	0,000358622
N(alpha)-acetyltransferase 25, NatB auxiliary subunit	1,22896966	7,171080482	20,57983132	7,62E-05	0,000358622
HECT domain containing 2	0,942539918	4,842868095	20,5791806	7,62E-05	0,000358622
neuroligin 2	1,025676702	6,000461801	20,52745258	7,72E-05	0,000361998
alcohol dehydrogenase 4 (class II), pi polypeptide	1,337718022	5,147028895	20,51980025	7,74E-05	0,000361998
WD repeat domain 33	1,162019777	5,21416608	20,43353385	7,91E-05	0,000368885
ADP-ribosylation factor-like 5A	1,36014173	9,309080088	20,40987367	7,95E-05	0,000370078
ADP-ribosylation factor-like 4C	1,001798426	9,814069509	20,37444131	8,02E-05	0,000372376
DEAD (Asp-Glu-Ala-Asp) box polypeptide 19b	1,257822105	5,717420424	20,25747748	8,26E-05	0,000381906
family with sequence similarity 46, member A	0,9597788	5,138488471	20,25257606	8,27E-05	0,000381906
DNA segment, Chr 6, Miriam Meisler 5, expressed	1,504055796	5,133985322	20,17635159	8,43E-05	0,000388282
N-acetylglucosamine-1-phosphate transferase, alpha and beta subunits	1,076375356	6,957925739	20,10054181	8,60E-05	0,000394583
transmembrane protein 218	0,977208002	6,11904505	20,09172272	8,62E-05	0,000394583
PAN2 polyA specific ribonuclease subunit homolog (S. cerevisiae)	1,047080203	6,87259366	20,07309196	8,66E-05	0,000395404
histone cluster 2, H2ac	1,103467363	7,296103446	20,00896854	8,80E-05	0,000400834
latent transforming growth factor beta binding protein 1	1,440950435	5,181322405	19,9053457	9,03E-05	0,000410469
sterol carrier protein 2, liver	0,943122318	6,613169506	19,84493428	9,18E-05	0,000415759
RAP1 GTPase activating protein 2	0,994919632	5,193026613	19,81819842	9,24E-05	0,000417519
basic helix-loop-helix family, member e40	1,180779615	12,06808351	19,77170582	9,35E-05	0,00042142
torsin family 3, member A	0,885515524	6,402763349	19,7366889	9,43E-05	0,000424118
thymidylate synthase	1,677117371	5,804166494	19,72296226	9,47E-05	0,000424513
thioredoxin domain containing 12 (endoplasmic reticulum)	1,288667757	8,244074828	19,69261906	9,54E-05	0,00042673
spermine oxidase	1,122160877	6,872429395	19,61114506	9,74E-05	0,000434655
inositol 1,4,5-trisphosphate 3-kinase C	0,885546116	7,500526099	19,58783716	9,80E-05	0,000436153
neuregulin 4	0,898766978	4,858954627	19,56444952	9,86E-05	0,00043767
suppressor of cytokine signaling 2	1,32731258	12,1944278	19,52940309	9,95E-05	0,000439679
transmembrane protein 65	0,842886258	8,266037855	19,52695083	9,96E-05	0,000439679
SET domain containing 3	1,357493162	7,797088939	19,50689947	0,000100087	0,000440842
RIKEN cDNA 1500011B03 gene	1,030391353	7,027254463	19,42150547	0,000102329	0,000449571
transmembrane protein 110	1,356356548	7,319377129	19,39675149	0,000102989	0,000451327
N(alpha)-acetyltransferase 25, NatB auxiliary subunit	1,120095965	7,541128374	19,24206771	0,000107229	0,000467863
vestigial like 4 (Drosophila)	1,318742126	6,196907668	19,23941309	0,000107303	0,000467863

tetratricopeptide repeat domain 39B	1,089271502	6,74548944	19,22204958	0,000107792	0,000468813
spermine oxidase	1,11401597	10,15863799	19,11032279	0,000110998	0,000481547
phosphodiesterase 4B, cAMP specific	1,095883579	5,504206165	19,01654785	0,000113773	0,000492354
growth differentiation factor 15	1,017609084	7,605994377	18,97513611	0,000115024	0,000493619
acyl-Coenzyme A binding domain containing 4	1,146103822	5,40988529	18,96793023	0,000115244	0,000493619
N(alpha)-acetyltransferase 25, NatB auxiliary subunit	1,075674487	8,032256059	18,96447093	0,000115349	0,000493619
tumor protein D52-like 2	1,069419735	7,17683573	18,95542642	0,000115625	0,000493619
PDZ and LIM domain 5	1,27065051	7,076230268	18,95343085	0,000115686	0,000493619
Trk-fused gene	1,319993734	10,17099172	18,95048218	0,000115777	0,000493619
nuclear distribution gene C homolog (Aspergillus)	0,72702208	6,483765171	18,91081724	0,000116999	0,000497604
signal-induced proliferation-associated 1 like 3	1,081416995	6,35728116	18,88230567	0,000117886	0,00050015
poliovirus receptor-related 2	1,181016484	6,384516033	18,79809538	0,000120553	0,000510215
serine/threonine kinase 40	1,250813805	9,692106011	18,71687044	0,000123192	0,000520109
AF4/FMR2 family, member 1	0,947518354	8,425716295	18,68589842	0,000124215	0,000523153
RIKEN cDNA 4833439L19 gene	1,31878866	9,337315048	18,66925558	0,000124769	0,000524211
arginase, liver	1,255001636	5,08665013	18,65519724	0,000125239	0,00052423
zinc ribbon domain containing, 1	1,290667054	7,781977314	18,65102051	0,000125379	0,00052423
HemK methyltransferase family member 1	1,055054586	6,518801507	18,61147972	0,000126714	0,000527626
spermatogenesis associated 6	1,13743356	7,249829344	18,6089197	0,000126801	0,000527626
cathepsin C	0,967908811	9,35620085	18,56109653	0,000128439	0,000533159
twisted gastrulation homolog 1 (Drosophila)	1,245721808	9,944903637	18,53948221	0,000129187	0,000534982
hypothetical LOC641240	1,066239854	14,03394009	18,4353537	0,000132862	0,000548886
phosphoglycerate mutase 2	1,292273164	5,080506725	18,3785202	0,000134918	0,000556054
zinc finger, MYND-type containing 8	1,151564672	5,947671983	18,3178786	0,000137152	0,00056392
PAN2 polyA specific ribonuclease subunit homolog (S. cerevisiae)	0,950696226	5,982737281	18,30454663	0,000137649	0,000564622
tripartite motif-containing 36	1,221691156	6,767305576	18,27445549	0,000138778	0,000567908
TBC1 domain family, member 7	1,317475763	7,723859264	18,25791822	0,000139403	0,00056912
ring finger protein 34	1,181226108	5,91613941	18,20255843	0,000141519	0,000576334
transcobalamin 2	1,270353576	6,5793248	18,18592063	0,000142162	0,000576334
aprataxin	0,815411561	5,581716407	18,18513856	0,000142193	0,000576334
PRELI domain containing 2	1,382038925	5,116597828	18,15913885	0,000143205	0,000576334
Hermansky-Pudlak syndrome 6	1,11368756	8,6270726	18,15841569	0,000143233	0,000576334
macrophage erythroblast attacher	1,097102361	7,556128169	18,1568902	0,000143293	0,000576334
predicted gene, 20107	1,097525464	4,858556225	18,14931211	0,000143589	0,000576334
CD274 antigen	1,133934158	12,21336839	18,13662936	0,000144088	0,000576334
tudor domain containing 7	1,191734909	10,2966782	18,13461567	0,000144167	0,000576334
RIKEN cDNA B230312A22 gene	0,847094966	6,711816156	18,09984768	0,000145544	0,000580185
RIKEN cDNA 4632411B12 gene	1,195228517	9,134504594	18,09340414	0,0001458	0,000580185
DNA segment, Chr 3, Brigham & Women's Genetics 0562 expressed	1,346278644	5,946475796	18,04885456	0,00014759	0,00058596
peroxisomal biogenesis factor 5	0,843668111	6,094242402	17,98404335	0,000150239	0,000594806
AE binding protein 2	0,796252901	4,833424859	17,97759691	0,000150506	0,000594806
h-2 class I histocompatibility antigen, K-W28 alpha chain-like	1,297775201	7,932615315	17,95979189	0,000151244	0,000596364
RIKEN cDNA 2810474O19 gene	1,292972097	6,63283554	17,94661072	0,000151794	0,000597171
B-cell leukemia/lymphoma 3	1,108420588	7,118746197	17,7775318	0,000159051	0,000624301
guanylate binding protein 7	0,954997444	4,652186381	17,75385069	0,000160098	0,000625631
activated leukocyte cell adhesion molecule	1,033993113	7,671001634	17,74747759	0,000160382	0,000625631
RIKEN cDNA 4933407C03 gene	1,244943611	9,074799134	17,74540682	0,000160474	0,000625631
myotubularin related protein 14	1,032103674	9,515732648	17,65416845	0,000164597	0,000640034
guanine nucleotide binding protein, alpha q polypeptide	0,860783616	5,580183556	17,64219996	0,000165146	0,000640034
mesoderm induction early response 1 homolog (Xenopus laevis	1,160840759	8,447944729	17,63935203	0,000165277	0,000640034
trimethylguanosine synthase homolog (S. cerevisiae)	1,432893302	6,24127523	17,62552687	0,000165916	0,000641072
BCL2-like 11 (apoptosis facilitator)	1,23913177	5,112661531	17,60915681	0,000166675	0,000642572
triple functional domain (PTPRF interacting)	0,955108813	9,977048381	17,57304593	0,000168364	0,000647642
cystatin F (leukocystatin)	1,350374893	5,372630179	17,52565718	0,000170611	0,000654829
macrophage migration inhibitory factor	1,433039729	13,44463852	17,50156137	0,000171767	0,000657806
ZXD family zinc finger C	1,011550138	7,032637244	17,47364222	0,000173117	0,000661513
symplekin	0,802024418	6,747317494	17,46361963	0,000173605	0,000661916
receptor (calcitonin) activity modifying protein 3	1,196046063	9,273087103	17,4326749	0,00017512	0,000666227
membrane magnesium transporter 2	1,221544144	7,801219099	17,38438951	0,000177516	0,000673859
calcium regulated heat stable protein 1	0,834401059	7,635653342	17,33861798	0,000179821	0,000681117
serine (or cysteine) peptidase inhibitor, clade A, member 3G	0,961442281	7,484698723	17,30373198	0,000181601	0,000686358
leucine rich repeat containing 33	0,906112215	11,05859208	17,14159787	0,000190145	0,000717081
phosphoglycerate kinase 1	1,359875341	5,417994539	17,07721134	0,000193665	0,000728768
uridine-cytidine kinase 1	1,315835689	7,363155124	17,03616937	0,000195947	0,000732862
proteasome (prosome, macropain) 26S subunit, non-ATPase, 11	1,375959494	7,280518809	17,02436135	0,00019661	0,000732862
RNA binding protein gene with multiple splicing	0,996680482	7,542215812	17,02309232	0,000196681	0,000732862
GLIS family zinc finger 3	1,006117234	4,861841031	17,0213677	0,000196778	0,000732862
TSC22 domain family, member 3	0,910208864	6,472094487	17,01974604	0,000196869	0,000732862
eukaryotic translation initiation factor 3, subunit C	1,401049685	8,853179774	17,01117859	0,000197352	0,000733083
actin, beta	1,277697069	13,37954843	16,95872333	0,000200339	0,000742585
nudix (nucleoside diphosphate linked moiety X)-type motif 4	1,140479476	8,037304895	16,90114515	0,000203678	0,000753347
inositol 1,4,5-triphosphate receptor interacting protein	0,971702786	7,031662847	16,89100875	0,000204272	0,000753934
RAB5A, member RAS oncogene family	1,257882944	9,679116383	16,88255685	0,000204769	0,00075416
transient receptor potential cation channel, subfamily V, member 4	0,935731635	5,981383828	16,85695179	0,000206284	0,000756799
ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	1,373837461	5,431763253	16,85566654	0,00020636	0,000756799
RIKEN cDNA 5031414D18 gene	0,874137092	5,863115266	16,8097952	0,000209106	0,000763906
dual specificity phosphatase 2	1,147520519	5,926347217	16,80856216	0,000209181	0,000763906
squalene epoxidase	1,464131538	7,180657139	16,76356112	0,000211917	0,000772269
spermine oxidase	1,06943043	10,44039358	16,70967599	0,000215247	0,000780184
tripartite motif-containing 21	1,199216458	7,542133986	16,69720757	0,000216026	0,000780184
phosphate cytidylyltransferase 1, choline, alpha isoform	1,573949357	8,318589131	16,69002482	0,000216477	0,000780184

ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 4	1,270940405	10,75479635	16,68927026	0,000216524	0,000780184
sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic dc	1,180048283	9,649179327	16,6859585	0,000216732	0,000780184
triosephosphate isomerase 1	1,227120723	12,55516216	16,6849927	0,000216793	0,000780184
coenzyme Q10 homolog B (S. cerevisiae)	1,323582317	8,916823878	16,64344007	0,000219424	0,000788013
expressed sequence AU022252	1,297355239	5,945644521	16,57244297	0,000224004	0,000802796
pre-B-cell leukemia transcription factor interacting protein 1	1,359845236	9,784159714	16,55950618	0,00022485	0,000804165
ER degradation enhancer, mannosidase alpha-like 1	1,292070657	7,158003029	16,53447108	0,000226498	0,000808389
fucosyltransferase 8	1,279014823	6,577013589	16,52113857	0,000227382	0,000809873
histocompatibility 2, class II antigen A, beta 1	0,971328085	13,40564416	16,48908873	0,000229522	0,000815816
Smg-7 homolog, nonsense mediated mRNA decay factor (C. elegans)	1,140060539	8,222333659	16,4780533	0,000230264	0,000816641
activating transcription factor 4	1,033279513	10,99424349	16,47162372	0,000230698	0,000816641
ras homolog gene family, member U	0,935714291	4,683184393	16,39402601	0,000236006	0,000833727
phosphatidylglycerophosphate synthase 1	1,002209679	10,76588735	16,38447542	0,000236669	0,000834367
proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional peptidase 7)	1,235152969	13,34034999	16,37237588	0,000237512	0,000835637
insulin-like growth factor binding protein 4	1,172549243	8,616177567	16,35131609	0,000238987	0,000839122
Bardet-Biedl syndrome 2 (human)	1,147229409	5,556661431	16,28832035	0,000243464	0,00085311
coiled-coil domain containing 51	0,879123682	5,103820817	16,27225158	0,000244621	0,000855434
zinc finger protein 945	1,020387587	8,248330854	16,16891454	0,000252216	0,000880214
phosphoglycerate kinase 1	1,304012618	11,4708328	16,14533935	0,000253987	0,000884609
KRIT1, ankyrin repeat containing	1,228924811	6,134438812	16,11859378	0,000256012	0,000889874
annexin A13	0,952663402	4,755781529	16,10021029	0,000257415	0,000892958
family with sequence similarity 129, member A	1,291015779	8,237880415	16,09250296	0,000258006	0,000893217
small nuclear ribonucleoprotein 27 (U4/U6.U5)	1,307224724	6,788459354	16,06981684	0,000259754	0,000897475
PTPRF interacting protein, binding protein 1 (liprin beta 1)	0,849388675	7,125488364	16,04072787	0,000262016	0,000903485
chemokine (C-X-C motif) ligand 16	1,134912092	13,01405318	15,918748	0,000271749	0,000935182
myeloid/lymphoid or mixed-lineage leukemia 1	1,362189043	7,017194119	15,85236771	0,000277219	0,000952115
neuregulin 4	0,894573967	4,724303086	15,79067478	0,000282416	0,000968045
MARCKS-like 1	1,170511149	10,2937444	15,76777719	0,000284374	0,000972828
TRAF family member-associated Nf-kappa B activator	1,432261182	8,282201514	15,75452325	0,000285514	0,000974802
RPTOR independent companion of MTOR, complex 2	1,205505917	8,591897772	15,72787263	0,000287822	0,000980749
chromodomain helicase DNA binding protein 7	1,2851026	6,779026011	15,71270905	0,000289145	0,000983321
inositol hexaphosphate kinase 3	0,896149977	5,078984471	15,6912834	0,000291027	0,000987779
thioredoxin-like 4A	1,151382876	8,73925086	15,67994283	0,000292028	0,000989238
TAP binding protein	1,245224334	6,643095259	15,6711787	0,000292805	0,000989932
LSM1 homolog, U6 small nuclear RNA associated (S. cerevisiae)	1,236742598	8,010440757	15,66130413	0,000293683	0,00099022
dual specificity phosphatase 19	1,192591554	8,23740067	15,65609751	0,000294147	0,00099022
ATPase, class V, type 10A	1,297720286	6,092817967	15,64486092	0,000295151	0,00099022
spindlin 1	0,889286143	4,809077805	15,63802019	0,000295765	0,00099022
MOB1, Mps One Binder kinase activator-like 2A (yeast)	1,184244429	7,970563449	15,63510172	0,000296027	0,00099022
TNF receptor-associated factor 1	1,148900228	11,37733528	15,63181484	0,000296322	0,00099022
coiled-coil domain containing 59	1,198901965	6,9229546	15,61682262	0,000297675	0,000992823
RIKEN cDNA 0610010O12 gene	1,551034263	5,921325812	15,60513672	0,000298734	0,000994439
serine/arginine-rich splicing factor 11	1,249621633	7,623099304	15,58298494	0,000300753	0,00099798
hypothetical LOC100505088	0,928335371	5,255342391	15,57759311	0,000301247	0,00099798
tousled-like kinase 2 (Arabidopsis)	0,986004012	7,651051544	15,57335081	0,000301636	0,00099798
regulator of G-protein signaling 1	1,056604653	11,57564867	15,56673616	0,000302245	0,00099798
nuclear factor, interleukin 3, regulated	1,107350253	12,2385876	15,56200555	0,00030268	0,00099798
ER degradation enhancer, mannosidase alpha-like 2	1,11907674	5,748109159	15,50926499	0,000307588	0,001012232
predicted pseudogene 16379	1,406822296	9,486644097	15,48818641	0,000309574	0,001016837
Morf4 family associated protein 1	1,359352383	8,023874219	15,45604804	0,000312632	0,001023066
kinectin 1	1,402525695	5,662548519	15,45543097	0,000312691	0,001023066
torsin A interacting protein 2	1,352136135	6,450316945	15,44966051	0,000313244	0,001023066
emerin	1,269162583	10,03839612	15,42821503	0,000315308	0,001027868
zinc ribbon domain containing, 1	1,243654725	6,780038219	15,41143191	0,000316934	0,001029399
destrin	1,070907758	12,27786736	15,41049701	0,000317025	0,001029399
RIKEN cDNA E130012A19 gene	1,171785897	8,039669071	15,40498446	0,000317561	0,001029399
sema domain, immunoglobulin domain (Ig), TM domain, and short cytoplasmic domain	0,99841946	4,85425031	15,38305919	0,000319705	0,001034411
lectin, galactose binding, soluble 9	1,103818765	7,189494523	15,3411872	0,000323846	0,001044378
emerin	1,253772508	9,117643245	15,33580018	0,000324383	0,001044378
Ngfi-A binding protein 1	1,283183392	5,712192785	15,33367084	0,000324596	0,001044378
histocompatibility 2, O region alpha locus	0,849286864	7,753903707	15,25811358	0,000332244	0,001067004
histone deacetylase 1	1,00742789	8,469226405	15,20337248	0,000337915	0,001083205
histocompatibility 2, D region locus 1	1,50555557	9,313418007	15,18987508	0,00033933	0,001085731
gephyrin	1,193878605	6,703308289	15,17375733	0,000341029	0,001089154
Rous sarcoma oncogene	1,348986664	6,544296788	15,15613614	0,000342898	0,001093104
holocytochrome c synthetase	1,403369954	5,989810386	15,14491954	0,000344093	0,001094899
colony stimulating factor 2 receptor, beta 2, low-affinity (granulocyte-macrophage)	0,853773882	10,5636847	15,03752557	0,000355785	0,001130024
latexin	1,272023386	10,08783936	15,02328256	0,000357369	0,001132978
family with sequence similarity 126, member A	1,142511025	8,169785767	14,996337	0,000360389	0,001140463
RIKEN cDNA 7530420F21 gene	1,435268439	5,11175277	14,95982739	0,000364527	0,001151454
granzyme M (lymphocyte met-ase 1)	0,813271012	5,437562933	14,91218869	0,00037001	0,001166643
death-associated protein kinase 2	1,488708293	5,475546551	14,84330799	0,000378105	0,001189998
zinc finger, DHHC domain containing 24	1,39598461	5,156081127	14,83451429	0,000379153	0,001191131
ribosomal protein S27-like	1,308775123	14,39565161	14,81897685	0,000381012	0,001192752
Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2	1,02088782	5,441129631	14,8186912	0,000381047	0,001192752
tetraspanin 2	1,307614474	5,474615722	14,81290745	0,000381742	0,00119277
RIKEN cDNA 1810022K09 gene	1,331135391	11,10738051	14,75952803	0,000388225	0,001210844
cathepsin C	1,074319904	8,399339687	14,73374808	0,000391402	0,001218556
programmed cell death 10	1,293308785	8,306516114	14,66142449	0,000400474	0,00124213
SH3 domain binding glutamic acid-rich protein like 2	1,262154651	5,542161628	14,6575697	0,000400964	0,00124213
testis derived transcript	1,188645769	12,98250658	14,65629157	0,000401127	0,00124213

cancer susceptibility candidate 1	0,892631193	4,910200042	14,6294504	0,000404561	0,001250528
ubiquitin-like 7 (bone marrow stromal cell-derived)	0,926590321	9,589517237	14,61444886	0,000406496	0,001254267
B-cell CLL/lymphoma 9-like	1,222473126	6,068592159	14,60294344	0,000407986	0,001256626
tRNA phosphotransferase 1	1,160207452	4,701868916	14,5856074	0,000410244	0,001261336
glucosaminyl (N-acetyl) transferase 2, I-branching enzyme	1,163987389	9,07136929	14,5749635	0,000411637	0,001261583
ER degradation enhancer, mannosidase alpha-like 2	1,376855175	8,191363446	14,57386245	0,000411782	0,001261583
ADP-ribosylation factor-like 5C	1,484433122	7,72058258	14,56205227	0,000413335	0,001263093
SH3-binding domain glutamic acid-rich protein like	1,465243177	9,344537131	14,5590243	0,000413734	0,001263093
whirlin	1,267497467	5,128404289	14,53113794	0,000417432	0,001272138
NCK-associated protein 1	1,277813815	6,95563517	14,52295693	0,000418524	0,001273225
RIKEN cDNA 4930503L19 gene	1,345337213	5,388492363	14,48254009	0,000423967	0,001287521
splicing factor 3a, subunit 3	1,228313263	10,62052306	14,44556857	0,000429017	0,001300245
serine protease inhibitor, Kunitz type 1	0,819972127	5,894455363	14,44090743	0,000429659	0,001300245
interferon-induced protein with tetratricopeptide repeats 2	1,08424798	5,161895668	14,43424635	0,000430578	0,001300751
B-cell leukemia/lymphoma 2 related protein A1c	1,286131765	10,5444273	14,41486002	0,000433265	0,001306588
ubiquitin-conjugating enzyme E2 variant 1	1,223947372	7,199664392	14,40714108	0,00043434	0,001307552
GATA binding protein 2	1,090571835	5,763942379	14,40015524	0,000435316	0,001308214
Ras suppressor protein 1	1,37116601	7,407624946	14,39106474	0,000436589	0,001309767
nucleoporin 62	1,214123167	11,03650724	14,38504876	0,000437434	0,001310032
polymerase (DNA directed), mu	1,089508498	4,952741787	14,36591125	0,000440135	0,001315075
ring finger protein 34	1,117079854	9,989637346	14,36236616	0,000440637	0,001315075
cadherin 1	1,196146007	5,151662897	14,32261093	0,000446317	0,001329732
tRNA phosphotransferase 1	1,22831348	6,586007173	14,30739667	0,000448513	0,001333978
DEAD (Asp-Glu-Ala-Asp) box polypeptide 24	0,954359546	7,424580964	14,2857867	0,000451652	0,001338517
Jun-B oncogene	1,222066903	10,1237662	14,27990243	0,000452512	0,001338517
inhibitor of Bruton agammaglobulinemia tyrosine kinase	1,288412446	7,680086321	14,27951111	0,000452569	0,001338517
ADP-ribosylation factor-like 4C	0,822822693	9,499774504	14,27566598	0,000453132	0,001338517
calcium homeostasis endoplasmic reticulum protein	0,97219555	8,402509788	14,21437324	0,00046221	0,001363007
breast carcinoma amplified sequence 1	1,393931635	6,933924618	14,18317476	0,000466911	0,001374527
nuclear factor of activated T-cells 5	1,196114452	9,64302165	14,15125414	0,000471777	0,001386496
phosphatidylinositol-4-phosphate 5-kinase, type 1 alpha	1,046849189	9,016447875	14,14286241	0,000473066	0,001387927
translocase of inner mitochondrial membrane 8 homolog b (yeast)	1,222973781	11,02457122	14,13525192	0,000474238	0,001389013
zinc finger CCCH type, antiviral 1	1,185219807	5,425469664	14,11805531	0,0004769	0,001394449
lactate dehydrogenase A	0,929713883	12,09020795	14,10813521	0,000478443	0,001396603
predicted gene 5918	1,074153018	6,490078938	14,09210135	0,00048095	0,001398519
deleted in liver cancer 1	1,023442462	4,68599572	14,08749331	0,000481673	0,001398519
purinergic receptor P2Y, G-protein coupled, 14	1,379128362	5,201659361	14,08047006	0,000482777	0,001398519
membrane-associated ring finger (C3HC4) 5	1,214706935	7,304784377	14,07913255	0,000482988	0,001398519
nuclear antigen Sp100	1,146292201	4,901961904	14,07817048	0,00048314	0,001398519
protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform	1,202863048	12,57479535	14,06218116	0,000485667	0,001403196
myotubularin related protein 14	1,195971051	11,14877895	14,05520835	0,000486774	0,001403196
DnaJ (Hsp40) homolog, subfamily C, member 24	1,303788467	7,958799368	14,04367844	0,000488611	0,001403196
calcium/calmodulin-dependent protein kinase II, delta	0,85815967	5,889602612	14,04090502	0,000489054	0,001403196
complement component (3b/4b) receptor 1-like	1,390348168	8,225777397	14,04008593	0,000489185	0,001403196
caspase 6	0,958219048	7,097921427	14,037373	0,000489619	0,001403196
chemokine (C-C motif) ligand 5	1,314760238	14,04736377	14,01699408	0,000492893	0,001408553
cadherin-like 26	1,503583324	5,622557191	14,0156103	0,000493116	0,001408553
polymerase I and transcript release factor	1,176171728	5,091003801	14,00529309	0,000494784	0,001410989
regulator of G-protein signaling 1	1,180141682	11,5348927	13,97633369	0,0004995	0,001422095
lysosomal-associated protein transmembrane 4B	1,552949492	5,338789979	13,97079304	0,000500408	0,001422342
killer cell lectin-like receptor subfamily K, member 1	1,34500479	5,3798343	13,9616869	0,000501905	0,001424257
protein phosphatase 1, regulatory (inhibitor) subunit 3G	1,09137759	4,684736853	13,94844426	0,00050409	0,001428118
glyceraldehyde-3-phosphate dehydrogenase	1,107939239	12,87988441	13,9410958	0,000505308	0,001429229
signal transducer and activator of transcription 5A	0,96267963	5,914493627	13,90336117	0,000511614	0,001444704
phytanoyl-CoA dioxygenase domain containing 1	1,162120786	5,072323281	13,8732088	0,000516718	0,001454597
ADP-ribosylation factor-like 5A	1,253323496	9,572335905	13,87273656	0,000516798	0,001454597
CCAAT/enhancer binding protein (C/EBP), gamma	1,029253054	9,98941523	13,85354279	0,000520078	0,001461452
myelin basic protein expression factor 2, repressor	1,15719811	5,608373788	13,8241982	0,000525138	0,001473281
leucine rich repeat (in FLII) interacting protein 1	1,021734957	7,000887192	13,8028211	0,00052886	0,001481323
bromodomain PHD finger transcription factor	1,434836515	5,598752047	13,77105895	0,000534447	0,001494552
immunity-related GTPase family, Q	0,966047596	7,034397793	13,72914926	0,000541922	0,001513011
plakophilin 3	1,199912084	6,684816001	13,70726647	0,000545872	0,001521586
cyclin-dependent kinase 10	1,340011339	5,726912636	13,67315593	0,000552097	0,001535823
Rho GTPase activating protein 26	1,374349195	7,586415857	13,66957624	0,000552754	0,001535823
HECT domain containing 2	1,161844778	6,787176397	13,650251	0,000556322	0,001543258
myosin, light chain 12B, regulatory	1,032946106	9,630870926	13,59768643	0,000566159	0,001568034
thymopoietin	0,908031414	6,502391437	13,52163554	0,000580747	0,001605867
matrix metallopeptidase 3	0,725856207	5,172307855	13,45718652	0,000593447	0,001638369
PDGFA associated protein 1	1,330515159	9,153541679	13,41840833	0,000601243	0,001657247
non-POU-domain-containing, octamer binding protein	1,651244971	5,245102855	13,4070412	0,00060355	0,001660961
SAM domain, SH3 domain and nuclear localization signals, 1	1,223631277	13,9239485	13,37395527	0,000610323	0,001676936
EVI5-like protein-like	1,093809696	5,601629577	13,36141173	0,000612914	0,001681385
zinc finger and BTB domain containing 26	1,319929531	4,889894951	13,34827813	0,00061564	0,001685016
protein phosphatase 1M	1,278568992	12,12170256	13,34449034	0,000616429	0,001685016
ER degradation enhancer, mannosidase alpha-like 2	1,145515749	6,167304215	13,33752864	0,000617882	0,001685016
UDP-glucose ceramide glucosyltransferase	0,864649094	9,418357971	13,33402383	0,000618615	0,001685016
RAB34, member of RAS oncogene family	0,910825425	6,875956274	13,33168342	0,000619105	0,001685016
ubiquitin protein ligase E3A	1,421416602	5,113767198	13,29582835	0,000626667	0,00170292
fragile X mental retardation, autosomal homolog 2	1,041169324	7,60898579	13,20578462	0,000646129	0,001753055
ubiquitin domain containing 2	1,319146746	6,626783039	13,15389254	0,00065766	0,001781547
mediator of RNA polymerase II transcription, subunit 19 homolog (yeast)	1,278294063	5,645042581	13,13412159	0,000662115	0,001790813

activating transcription factor 5	1,247318061	9,940227966	12,97570653	0,000699088	0,001887865
trans-golgi network protein	1,126294397	7,974279086	12,96162868	0,000702487	0,001894089
carbohydrate sulfotransferase 11	1,107569507	6,523302683	12,91878392	0,000712948	0,00191679
ubiquitin specific peptidase 40	1,193160406	4,914394856	12,91751673	0,00071326	0,00191679
sulfite oxidase	1,316069167	7,276416211	12,9135885	0,000714228	0,00191679
B-cell linker	1,100894044	7,936800695	12,90883146	0,000715403	0,001916971
coiled-coil-helix-coiled-coil-helix domain containing 7	1,21911827	8,28457363	12,89721298	0,000718282	0,00192171
ras homolog gene family, member C	0,908596322	5,753346066	12,8771006	0,000723297	0,001932141
tropomyosin 4	1,194799542	8,758514016	12,84655524	0,00073099	0,001949683
ubiquitin domain containing 2	1,374387015	5,106517856	12,8313087	0,000734865	0,001957003
killer cell lectin-like receptor subfamily G, member 2	1,433188135	5,132519266	12,80611803	0,00074132	0,001971159
TWIST neighbor	1,551095408	6,580112571	12,79442831	0,000744337	0,001976146
cleavage and polyadenylation specific factor 2	0,897490111	5,046104973	12,76877502	0,000751007	0,001989842
protein inhibitor of activated STAT 4	0,958539179	6,513921611	12,76576439	0,000751795	0,001989842
AE binding protein 2	1,232537965	7,980480049	12,74179503	0,000758097	0,00200346
WD repeat domain containing 82	0,853529759	5,127469131	12,72249951	0,000763215	0,002010958
v-maf musculoaponeurotic fibrosarcoma oncogene family, protein F (avian)	1,065884272	4,892841365	12,72233703	0,000763258	0,002010958
RIKEN cDNA 4930420K17 gene	1,494730115	5,217591361	12,70751888	0,000767215	0,002015385
glycoprotein galactosyltransferase alpha 1, 3	1,113554603	9,137565521	12,70353244	0,000768284	0,002015385
Tax1 (human T-cell leukemia virus type I) binding protein 1	1,023894827	11,1985803	12,70298398	0,000768431	0,002015385
family with sequence similarity 177, member A	1,372240244	11,43241371	12,68117084	0,00077431	0,002027731
pellino 1	1,071412562	7,377855898	12,66862179	0,000777715	0,002033573
myc induced nuclear antigen	1,214528555	5,927423337	12,64421888	0,000784387	0,002047924
G protein-coupled receptor kinase-interactor 2	0,961879914	5,503606031	12,6299465	0,000788319	0,002055091
actin related protein 2/3 complex, subunit 5	1,059390599	10,00716316	12,62492023	0,000789709	0,002055619
macrophage migration inhibitory factor	1,284371386	10,59824759	12,61385748	0,000792779	0,002060511
family with sequence similarity 3, member C	1,080728053	9,428415293	12,60448004	0,000795392	0,002064203
WD repeat domain 92	1,258134199	7,454801093	12,58616398	0,000800524	0,002074411
zinc finger protein 451	1,00319109	6,925452301	12,56153734	0,000807484	0,002084703
tumor suppressing subtransferable candidate 1	1,164901542	7,496675269	12,56061092	0,000807747	0,002084703
family with sequence similarity 134, member B	1,36630101	8,326427697	12,5593396	0,000808108	0,002084703
S100 calcium binding protein A3	1,144592493	5,408150071	12,53290598	0,000815663	0,002101061
methionine adenosyltransferase II, beta	0,995969423	8,79013682	12,47944686	0,000831191	0,00213435
eukaryotic translation initiation factor 2B, subunit 1 (alpha)	1,353174455	7,098595535	12,47778734	0,000831678	0,00213435
tousled-like kinase 2 (Arabidopsis)	0,854805869	8,70112733	12,47572056	0,000832285	0,00213435
TBC1 domain family, member 9	0,984103591	7,732856707	12,46630537	0,000835059	0,002136514
syndecan 4	1,401223547	8,22867438	12,46448123	0,000835598	0,002136514
cyclin-dependent kinase inhibitor 1A (P21)	1,058224829	11,73053413	12,44153538	0,000842408	0,002148069
intercellular adhesion molecule 1	1,19871319	11,2413341	12,44089388	0,000842599	0,002148069
tripartite motif-containing 21	1,130349101	4,787907512	12,4275901	0,000846577	0,002155037
PRP38 pre-mRNA processing factor 38 (yeast) domain containing A	1,264313301	8,921861563	12,41352616	0,000850806	0,002161059
coiled-coil domain containing 59	1,002856553	7,672443396	12,40862674	0,000852285	0,002161059
family with sequence similarity 40, member A	1,137536322	9,713432409	12,40729437	0,000852688	0,002161059
WNK lysine deficient protein kinase 1	1,239991346	5,583513391	12,39512918	0,000856375	0,00216723
protein tyrosine phosphatase, non-receptor type 6	1,449113225	7,743745365	12,38971786	0,000858021	0,002168226
hypothetical LOC100504309	1,419973318	5,669185408	12,37010529	0,000864017	0,002180195
solute carrier family 15, member 3	1,340294124	12,39671872	12,30441056	0,000884454	0,002228516
signal transducer and activator of transcription 4	1,243698356	11,73789983	12,29300024	0,00088806	0,002234349
family with sequence similarity 49, member B	1,434596317	6,238330413	12,26893407	0,000895721	0,002250353
predicted gene 8909	1,076890103	9,856221783	12,2601548	0,000898535	0,00225415
complement component (3b/4b) receptor 1-like	1,16281652	7,264917068	12,24590154	0,000903124	0,00226071
SYF2 homolog, RNA splicing factor (S. cerevisiae)	1,023179439	10,27921484	12,24392775	0,000903762	0,00226071
peptidase (mitochondrial processing) beta	1,510781044	6,956264542	12,23234118	0,000907515	0,002266824
microfibrillar-associated protein 3-like	1,086611193	4,850735615	12,18905752	0,000921696	0,002298928
killer cell lectin-like receptor subfamily K, member 1	1,482588398	5,331455554	12,17585116	0,000926074	0,002306523
mediator complex subunit 7	1,184102727	8,437193885	12,1444486	0,000936578	0,002329334
RIKEN cDNA 2310004I24 gene	1,145427134	7,240051221	12,08200884	0,000957874	0,00237888
centrosomal protein 120	1,217086996	6,726317037	12,04834455	0,000969585	0,002404516
succinate dehydrogenase complex, subunit D, integral membrane protein	1,578193373	7,107325485	12,03874616	0,000972954	0,00240926
ArfGAP with coiled-coil, ankyrin repeat and PH domains 1	0,892863674	6,256928497	12,03497442	0,000974282	0,00240926
myeloid/lymphoid or mixed-lineage leukemia 5	1,222045564	8,098740135	12,02272812	0,000978607	0,002416503
leukocyte receptor cluster (LRC) member 1	1,129276526	5,866370937	12,01242636	0,000982262	0,002422074
integrator complex subunit 4	1,165453311	9,223477565	11,97383859	0,000996094	0,002452686
metastasis suppressor 1	1,343863276	7,251957659	11,96612085	0,000998887	0,00245607
family with sequence similarity 89, member A	1,212990544	7,546787336	11,94908353	0,001005085	0,002467804
chromodomain helicase DNA binding protein 9	1,016983087	7,320837452	11,88391664	0,001029201	0,002523439
tripartite motif-containing 35	1,4795369	5,862878281	11,87420024	0,001032854	0,002528812
membrane-associated ring finger (C3HC4) 7	1,017757177	7,004862921	11,86057183	0,001038002	0,00253444
karyopherin (importin) alpha 3	1,632962917	7,33497944	11,86036267	0,001038081	0,00253444
glucosamine-6-phosphate deaminase 1	1,178752412	7,95958254	11,85342295	0,001040714	0,00253729
CCR4-NOT transcription complex, subunit 6	1,246348088	6,46116029	11,83853354	0,001046389	0,002546071
hypothetical LOC100503029	1,142223621	5,602423545	11,83391855	0,001048155	0,002546071
nitric oxide synthase interacting protein	0,916274781	6,6368045	11,83242206	0,001048728	0,002546071
RAP1, GTP-GDP dissociation stimulator 1	0,936990041	10,02919343	11,78700637	0,001066303	0,002585114
centromere protein Q	1,097905455	5,004911436	11,77064183	0,001072719	0,002597029
ribosomal protein S6 kinase, polypeptide 2	0,913969262	6,373469007	11,75116929	0,00108041	0,002610205
basic leucine zipper transcription factor, ATF-like 3	0,886150099	9,401728158	11,74923756	0,001081177	0,002610205
solute carrier family 38, member 1	1,036601038	4,710550748	11,7265657	0,001090219	0,002628369
FIP1 like 1 (S. cerevisiae)	0,981071085	6,394994991	11,71271418	0,001095786	0,002637206
protein phosphatase 1K (PP2C domain containing)	1,038608424	5,774850998	11,70987426	0,001096932	0,002637206
polymerase (DNA directed), mu	0,950142539	5,373416917	11,69436628	0,001103211	0,002646323

chemokine (C-C motif) ligand 2	0,860779413	5,074521642	11,69296241	0,001103781	0,002646323
sorting nexin 11	1,300198222	10,43845272	11,68350942	0,001107631	0,002651881
small nuclear RNA activating complex, polypeptide 1	1,167764902	5,090149942	11,67285411	0,001111989	0,002658638
phosphofructokinase, platelet	0,935069493	9,096700139	11,66813926	0,001113924	0,00265959
forkhead box O1	1,145584212	6,607099206	11,66054306	0,001117049	0,002660468
coiled-coil domain containing 97	1,181941814	5,434290382	11,65977521	0,001117366	0,002660468
serine protease inhibitor, Kunitz type 1	1,099786428	11,82422836	11,6534117	0,001119992	0,002661949
zinc finger, SWIM domain containing 4	1,027182009	7,440303109	11,64838803	0,001122071	0,002661949
TNFAIP3 interacting protein 1	1,09640915	5,419214815	11,6471078	0,001122601	0,002661949
protein phosphatase 1, regulatory (inhibitor) subunit 15b	1,324452286	6,469033903	11,60152212	0,001141677	0,002703478
proteasome (prosome, macropain) subunit, alpha type 2	1,509479584	5,806872978	11,58937681	0,001146822	0,002705747
inverted formin, FH2 and WH2 domain containing	0,967612048	7,446898344	11,58921951	0,001146888	0,002705747
methionine-tRNA synthetase	0,914524677	8,11870344	11,58704501	0,001147812	0,002705747
peptidylprolyl isomerase (cyclophilin)-like 3	1,235176996	9,345397843	11,58392343	0,00114914	0,002705747
PRP40 pre-mRNA processing factor 40 homolog A (yeast)	1,478452694	5,566175467	11,58011403	0,001150763	0,002705747
RIKEN cDNA 0610007L01 gene	1,116647891	9,117445481	11,57718319	0,001152014	0,002705747
RIKEN cDNA 0610009B22 gene	1,301249674	7,946752433	11,56626236	0,001156686	0,002713041
zinc finger with KRAB and SCAN domains 3	1,265301075	6,176403449	11,55575403	0,001161203	0,00271995
transmembrane and tetratricopeptide repeat containing 2	1,175431912	8,191668507	11,54480521	0,001165931	0,002725588
predicted gene 13363	1,077010786	5,782021029	11,54289228	0,00116676	0,002725588
RIKEN cDNA 9830001H06 gene	1,076225397	5,915011993	11,53546552	0,001169982	0,002729432
TBC1 domain family, member 1	1,037262423	8,389475416	11,52641364	0,001173923	0,00273494
zinc finger protein 191	1,080430201	5,051829267	11,5094733	0,001181339	0,002748519
interleukin 23, alpha subunit p19	0,981137444	4,517548232	11,45199044	0,001206909	0,00280424
excision repair cross-complementing rodent repair deficiency, complementation group 5	0,922387196	7,450002965	11,44478553	0,001210158	0,0028063
signal recognition particle 72	1,109389295	6,468223856	11,44044156	0,001212122	0,0028063
protein kinase inhibitor beta, cAMP dependent, testis specific	1,32878793	6,765270808	11,43859104	0,00121296	0,0028063
transcriptional adaptor 3	1,0655521	6,223948297	11,43567803	0,00121428	0,0028063
protein arginine N-methyltransferase 5	1,236806969	6,831205446	11,41308655	0,001224574	0,002823523
ring finger protein 114	1,315867428	8,622012963	11,41205393	0,001225047	0,002823523
splicing factor 3a, subunit 1	1,122609212	8,75535743	11,40512765	0,001228224	0,002823523
proteasome (prosome, macropain) 26S subunit, ATPase, 4	1,280933285	6,365003921	11,40505709	0,001228257	0,002823523
AE binding protein 2	1,00956582	8,252582308	11,39766551	0,001231658	0,002827587
glyoxylate reductase/hydroxypyruvate reductase	1,3772156	6,709115881	11,39170981	0,001234407	0,002830042
polymerase (RNA) I polypeptide C	1,377518361	8,819421509	11,38826957	0,001235998	0,002830042
TNF receptor-associated factor 3	1,066526357	4,869887649	11,36997981	0,001244495	0,002845734
SAC1 (suppressor of actin mutations 1, homolog)-like (S. cerevisiae)	1,304478548	10,05253938	11,36011691	0,001249105	0,002852508
cytochrome b5 reductase 3	1,049627651	10,54155317	11,3448614	0,001256274	0,002864966
methionine-tRNA synthetase	1,301252773	5,852704263	11,34147791	0,001257871	0,002864966
PDZ domain containing 11	1,387615141	7,351494506	11,27425748	0,001290075	0,002934455
HSPA (heat shock 70kDa) binding protein, cytoplasmic cochaperone 1	0,812989598	7,144569003	11,26368906	0,001295224	0,002938809
nucleoporin 50	1,191710254	5,218369735	11,26335881	0,001295385	0,002938809
cysteine and glycine-rich protein 2	1,071035811	10,49752028	11,2428487	0,001305446	0,002957758
Harvey rat sarcoma oncogene, subgroup R	1,145750027	9,635996636	11,23772894	0,001307971	0,002959605
KDM1 lysine (K)-specific demethylase 6B	1,225192602	5,511154008	11,22318627	0,001315175	0,002972021
integrator complex subunit 8	1,241245463	5,364400713	11,18474662	0,001334437	0,003011617
golgi autoantigen, golgin subfamily a, 3	1,073664705	7,243744922	11,16723053	0,001343321	0,00302772
high mobility group box 1	1,588259373	5,887852096	11,16047506	0,001346766	0,003031536
A kinase (PRKA) anchor protein 13	1,130720687	5,357442503	11,14307283	0,001355686	0,003045745
myotubularin related protein 14	1,245374845	7,740551272	11,14130172	0,001356597	0,003045745
erythrocyte protein band 4.1-like 3	1,188421249	7,995180513	11,1270455	0,001363961	0,003058311
pleiomorphic adenoma gene-like 2	1,00233791	9,434250383	11,1180246	0,001368644	0,003063143
protein phosphatase 1B, magnesium dependent, beta isoform	1,199794665	8,227907585	11,11608119	0,001369655	0,003063143
RIKEN cDNA 4930583H14 gene	1,512653169	5,498589709	11,11101166	0,001372297	0,003065092
ubiquitin-conjugating enzyme E2Z (putative)	1,100938261	6,692346759	11,10065889	0,001377711	0,003073219
kinesin light chain 1	0,969524269	6,654473628	11,09354062	0,001381448	0,003077588
spermine oxidase	1,072711951	6,452152234	11,08868165	0,001384005	0,003079322
RIB43A domain with coiled-coils 1	1,210176486	4,858278155	11,0826761	0,001387173	0,003081732
interleukin 15	0,961288625	8,116930548	11,07205327	0,001392798	0,003081732
glucosidase, alpha; neutral C	1,143975049	7,951289287	11,07076603	0,001393481	0,003081732
signal recognition particle receptor ('docking protein')	1,304588818	8,676983176	11,06987422	0,001393955	0,003081732
methyl-CpG binding domain protein 5	1,139839268	5,033801647	11,06980786	0,00139399	0,003081732
RIKEN cDNA C130026I21 gene	1,23465782	5,040142471	11,06073989	0,001398816	0,003088458
histocompatibility 2, Q region locus 5	0,914584264	12,8186149	11,01728731	0,001422213	0,003136115
chromatin modifying protein 2A	1,284174597	10,63619728	11,01169896	0,001425254	0,003138823
ubiquitin-like 7 (bone marrow stromal cell-derived)	0,859868509	7,746849716	11,00324868	0,001429867	0,003144981
zinc finger protein 292	1,299829066	6,59420259	10,98538416	0,001439676	0,003162538
zinc finger protein (C2H2 type) 276	0,958511414	6,977507721	10,95943143	0,001454064	0,003190095
methionine adenosyltransferase II, beta	1,032889331	7,042421836	10,92180853	0,001475216	0,003232403
DEAD (Asp-Glu-Ala-Asp) box polypeptide 19a	1,414487328	5,329244421	10,9135051	0,001479931	0,003233018
pleckstrin homology domain containing, family G (with RhoGef domain) member 3	0,851201948	4,831175786	10,91192948	0,001480828	0,003233018
collagen, type XXVII, alpha 1	1,178338172	5,088770439	10,91145292	0,001481099	0,003233018
testis derived transcript	1,253366682	13,02859238	10,88229277	0,001497812	0,003265381
stromal interaction molecule 2	1,464716725	5,989277486	10,87408431	0,001502556	0,003271602
trans-acting transcription factor 6	1,196309769	4,886563062	10,86794296	0,001506116	0,003275234
interleukin 15	1,02999711	9,321103306	10,86162375	0,001509789	0,003279103
neuroepithelial cell transforming gene 1	1,170892395	10,90422447	10,85518782	0,001513541	0,003283132
RIKEN cDNA 1700034H14 gene	0,972664059	5,00325042	10,84599523	0,001518919	0,003289252
apoptotic peptidase activating factor 1	1,193088412	9,98191602	10,84324655	0,001520531	0,003289252
intermediate filament family orphan 2	0,879906455	5,750455458	10,8387052	0,001523199	0,003289252
centromere protein L	1,247651917	9,004191779	10,83740554	0,001523963	0,003289252

G patch domain containing 8	0,927086948	9,320550035	10,80255265	0,00154463	0,003329706
fucosyltransferase 8	1,369630934	5,704336968	10,79896327	0,001546776	0,003330186
protein phosphatase 1, regulatory (inhibitor) subunit 11	1,025669914	8,605840936	10,78978408	0,001552281	0,003337886
GIPC PDZ domain containing family, member 1	1,311213569	6,982259829	10,78375699	0,001555908	0,003341534
kinesin family member 1B	1,373064601	5,744411646	10,77143502	0,001563353	0,003353363
laminin, gamma 1	0,837170633	5,483783908	10,76712409	0,001565967	0,003354814
protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	1,510619151	5,767013666	10,7612156	0,001569559	0,003358351
brain and reproductive organ-expressed protein	1,230924711	6,994887186	10,74433433	0,001579872	0,003376245
interleukin 15	0,864128452	10,52574211	10,73507922	0,001585559	0,00338422
polymerase (DNA directed), alpha 2	1,176180515	6,695797422	10,73149195	0,00158777	0,003384765
phosphatidylinositol-4-phosphate 5-kinase, type 1 alpha	1,076693358	6,65584099	10,7225914	0,00159327	0,003392312
arginine/serine-rich coiled-coil 2	1,160901895	8,771618086	10,71024604	0,001600935	0,003404445
acyl-Coenzyme A dehydrogenase, medium chain	1,269340993	11,27455717	10,70131293	0,001606508	0,003412104
RIKEN cDNA 1110012L19 gene	1,244279197	7,664948673	10,67588747	0,001622491	0,003441829
nuclear factor, erythroid derived 2, like 3	1,166763409	5,34990439	10,67173134	0,001625121	0,003443189
ring finger protein 167	1,323470758	6,855715116	10,65997859	0,001632585	0,003454774
RIKEN cDNA 5031414D18 gene	1,144515636	5,250479609	10,65530394	0,001635565	0,003456853
engulfment and cell motility 1, ced-12 homolog (C. elegans)	1,141077058	5,592516141	10,64045025	0,001645074	0,003472711
phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	1,121665665	9,040319311	10,63700943	0,001647286	0,003473145
RIKEN cDNA 4933424B01 gene	1,291405789	6,520996756	10,63098438	0,001651167	0,003477093
Wolf-Hirschhorn syndrome candidate 1 (human)	0,997244308	5,12891896	10,62355118	0,00165597	0,003482969
methyltransferase like 11A	1,260225647	6,042886484	10,6156299	0,001661106	0,003489531
catenin (cadherin associated protein), delta 1	1,046457324	6,237043816	10,59306985	0,001675833	0,003510707
SLU7 splicing factor homolog (S. cerevisiae)	1,318821335	5,017163159	10,59035112	0,001677618	0,003510707
nuclear factor, erythroid derived 2, like 2	1,176529954	8,460902041	10,5857518	0,001680642	0,003510707
tripartite motif-containing 23	1,045854399	6,239856529	10,58502671	0,00168112	0,003510707
ectonucleoside triphosphate diphosphohydrolase 4	1,203542983	8,678762147	10,58471248	0,001681327	0,003510707
UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 3	1,16738475	7,868807094	10,57936136	0,001684855	0,003513836
EBNA1 binding protein 2	1,260199825	8,720331876	10,57498622	0,001687746	0,00351563
zinc finger and BTB domain containing 43	1,300269319	4,799366882	10,57186319	0,001689813	0,003515705
rearranged L-myc fusion sequence	1,265991911	8,126692706	10,54849303	0,001705375	0,003543823
solute carrier family 22 (organic cation transporter), member 21	0,960302164	5,220908278	10,5343127	0,001714898	0,003559338
Rho GTPase activating protein 12	1,278075424	4,771740341	10,52642101	0,001720224	0,003566117
acyl-Coenzyme A binding domain containing 4	0,93362227	6,462792482	10,5023271	0,001736602	0,003595763
chromodomain helicase DNA binding protein 2	1,03293948	9,436974284	10,48848732	0,001746091	0,003607381
ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	0,985068284	5,709131307	10,48774696	0,0017466	0,003607381
proteasome (prosome, macropain) subunit, alpha type 3	1,425214714	6,986591452	10,48503784	0,001748465	0,003607381
zinc finger homeobox 2	1,140510247	8,545261034	10,47081246	0,001758295	0,003622871
macrophage migration inhibitory factor	1,215992828	10,31010622	10,46812675	0,001760158	0,003622871
nuclear factor of activated T-cells 5	1,05635968	6,403972315	10,46105501	0,001765075	0,003628675
leucine rich repeat containing 1	1,132844056	5,759976403	10,44199699	0,001778403	0,003649621
chromodomain helicase DNA binding protein 4	1,343782533	5,797563307	10,44046377	0,00177948	0,003649621
calponin 3, acidic	0,9853846	5,481382706	10,42030581	0,001793713	0,00367332
retinoblastoma binding protein 9	1,263135757	7,699773235	10,41809898	0,001795279	0,00367332
myosin, light chain 12B, regulatory	1,213515289	8,72408927	10,40796364	0,001802492	0,003683724
inositol 1,4,5-triphosphate receptor interacting protein-like 2	1,164673333	8,234915922	10,38850183	0,001816436	0,003707842
NADH dehydrogenase (ubiquinone) Fe-S protein 4	1,370821612	9,767699883	10,38128239	0,001821639	0,003714084
MOB1, Mps One Binder kinase activator-like 3 (yeast)	1,17191993	6,463905724	10,37314192	0,001827528	0,003721706
heterogeneous nuclear ribonucleoprotein D-like	1,735057509	8,420016773	10,3626737	0,001835131	0,003728642
calponin 2	0,899876303	8,286652677	10,36252236	0,001835242	0,003728642
stromal membrane-associated protein 1	1,302133454	8,567208914	10,35781746	0,001838671	0,003731231
gephyrin	1,154765838	7,031527311	10,32343727	0,001863957	0,003776666
RIKEN cDNA 4933424B01 gene	1,270069864	5,407682025	10,32145896	0,001865424	0,003776666
zinc finger homeobox 2	1,106449448	8,862685449	10,29737013	0,001883395	0,003808593
AHA1, activator of heat shock protein ATPase homolog 1 (yeast)	1,382473865	8,414490491	10,28542152	0,001892382	0,003822302
vacuolar protein sorting 36 (yeast)	1,270419914	9,479401034	10,27372723	0,001901226	0,00383569
mannosidase 1, alpha	1,227364142	5,669451063	10,27070157	0,001903522	0,003835851
Ral GEF with PH domain and SH3 binding motif 1	1,272665807	5,080735824	10,23672666	0,001929521	0,003883722
immunity-related GTPase family M member 1	1,003520137	11,71558697	10,22933698	0,00193523	0,003890688
cleavage and polyadenylation factor subunit homolog (S. cerevisiae)	1,214575799	6,530431828	10,20443412	0,001954611	0,003925095
membrane-associated ring finger (C3HC4) 5	1,207698879	9,15626539	10,1895424	0,001966307	0,00394078
RIKEN cDNA D030056L22 gene	0,879030503	9,202701066	10,18693268	0,001968365	0,00394078
bifunctional apoptosis regulator	1,178901916	7,080419748	10,18580969	0,001969252	0,00394078
WD repeat domain 37	1,377413724	5,539620432	10,18254743	0,001971829	0,003941381
RIKEN cDNA 1700123O20 gene	0,952647228	7,767304326	10,16111893	0,001988855	0,00396761
RAB, member of RAS oncogene family-like 3	1,46345392	5,53404676	10,15883835	0,001990677	0,00396761
adducin 1 (alpha)	1,184165614	9,658984024	10,15739942	0,001991828	0,00396761
polymerase (RNA) II (DNA directed) polypeptide D	1,181272616	7,676053275	10,15157243	0,001996494	0,003972336
procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha II polypeptide	0,939278032	5,980450304	10,14586884	0,002001075	0,003976878
histocompatibility 2, T region locus 23	0,993679236	11,38814523	10,1070794	0,002032546	0,004034791
stromal antigen 2	0,923213241	5,627701094	10,08950547	0,002046991	0,004058811
pumilio 2 (Drosophila)	1,102613541	9,099358086	10,06748082	0,002065261	0,004090351
male enhanced antigen 1	1,137589718	6,325256839	10,06291402	0,002069073	0,004093167
polymerase (DNA directed), gamma 2, accessory subunit	1,076148384	5,857703112	10,06011615	0,002071412	0,004093167
histone deacetylase 1	1,394625178	6,49574223	10,03340897	0,002093894	0,004132874
zinc finger protein 523	1,196877067	9,069034442	10,02630938	0,002099917	0,004133431
Ngfi-A binding protein 1	1,814141431	6,857692802	10,02529394	0,002100781	0,004133431
activin A receptor, type 1B	1,373697796	6,062907718	10,02463659	0,00210134	0,004133431
predicted gene, ENSMUSG00000068790	0,838289368	6,078040237	10,01574734	0,002108915	0,004143624
deoxycytidine kinase	1,027292712	4,97653911	10,00714848	0,002116273	0,004153366
procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha 1 polypeptide	1,100234896	5,24456022	10,00120096	0,00212138	0,004158673

Fc receptor, IgG, low affinity IIb	1,158501738	7,119648931	9,997519992	0,002124547	0,004160172
attractin like 1	1,234605717	5,063755594	9,947688082	0,002167967	0,004240396
syntaxin 6	1,223002498	5,267200606	9,937515377	0,002176955	0,004253171
proteasome (prosome, macropain) subunit, beta type 5	1,087476252	9,378692644	9,926547811	0,002186694	0,004267381
TAP binding protein	1,225540148	8,490257623	9,905349868	0,002205658	0,004299543
SWI5 dependent recombination repair 1	1,349472009	6,405267535	9,878389529	0,00223005	0,004342202
chemokine (C-X3-C motif) ligand 1	1,191034691	9,490534854	9,867770119	0,002239743	0,004356175
5-hydroxytryptamine (serotonin) receptor 2B	1,371242781	5,170592859	9,846700471	0,002259118	0,004388926
resistance to inhibitors of cholinesterase 8 homolog B (C. elegans)	1,396739454	5,812336597	9,832629905	0,002272163	0,004409322
SRY-box containing gene 12	0,967896731	4,942139811	9,820896434	0,002283108	0,004425599
ST3 beta-galactoside alpha-2,3-sialyltransferase 3	1,138085223	10,38236328	9,795028096	0,002307452	0,004467785
CCR4-NOT transcription complex, subunit 2	1,232346718	8,604908019	9,787425346	0,002314663	0,00447674
Eph receptor A8	1,056868606	4,795547345	9,783118729	0,00231876	0,004479657
EGL nine homolog 1 (C. elegans)	0,892383889	4,832661622	9,776088836	0,002325464	0,004487601
ankyrin repeat domain 58	1,196032206	4,758140602	9,772333259	0,002329055	0,004489526
coiled-coil domain containing 53	1,229455749	7,847642182	9,76358158	0,002337447	0,004500691
RIKEN cDNA 1110038D17 gene	1,330163889	11,02857135	9,756691578	0,002344079	0,004508445
protease (prosome, macropain) 26S subunit, ATPase 1	1,234595486	9,513134539	9,750869001	0,0023497	0,00451424
peptidyl-prolyl isomerase G (cyclophilin G)	1,364220608	7,996751793	9,739008793	0,002361198	0,0045313
cardiotrophin-like cytokine factor 1	0,8953667	5,399395399	9,732277363	0,002367752	0,004534668
histocompatibility 2, T region locus 23	0,96578472	12,77280774	9,731826569	0,002368191	0,004534668
CCR4-NOT transcription complex, subunit 2	1,178178326	6,489014349	9,712855962	0,002386779	0,00456521
PAN2 polyA specific ribonuclease subunit homolog (S. cerevisiae)	0,903051256	5,422257879	9,698739635	0,002400719	0,004586805
family with sequence similarity 82, member A2	0,898193218	5,317061592	9,683201324	0,002416172	0,004611239
protein phosphatase 1B, magnesium dependent, beta isoform	0,978478155	5,872924791	9,680357058	0,002419013	0,004611576
mediator of RNA polymerase II transcription, subunit 19 homolog (yeast)	1,077797654	6,256562993	9,675850623	0,002423522	0,004615089
cDNA sequence BC017647	1,01437634	7,702931403	9,648591075	0,002451003	0,004662292
PTPRF interacting protein, binding protein 1 (liprin beta 1)	1,276242264	5,619556223	9,644579925	0,002455076	0,004664915
hypoxanthine guanine phosphoribosyl transferase	1,427273732	7,890116761	9,639554645	0,002460191	0,004669507
Ras and Rab interactor 2	0,995643146	6,655406741	9,601785255	0,002499026	0,004738022
lectin, galactose binding, soluble 9	0,963949963	6,694989636	9,577791422	0,002524062	0,004780253
phosphomannomutase 2	1,223739095	7,255935615	9,572059102	0,002530086	0,004786425
kelch-like 25 (Drosophila)	0,933791511	5,426973077	9,563120891	0,002539512	0,004799011
IQ motif containing E	1,34908361	5,879696886	9,556013224	0,002547036	0,004807981
chromatin modifying protein 2A	1,454449965	7,511970529	9,551930322	0,002551369	0,004810915
CREB regulated transcription coactivator 2	1,07975598	5,437964084	9,519463696	0,002586132	0,004871158
mitochondrial methionyl-tRNA formyltransferase	1,310515934	5,034226146	9,511385329	0,002594866	0,004882296
MyoD family inhibitor domain containing	1,48195757	8,52098167	9,492808833	0,002615078	0,004914491
centromere protein L	1,253827805	9,165746493	9,490452803	0,002617655	0,004914491
synaptopodin 2	1,318171313	4,830381987	9,470065425	0,002640071	0,004950916
BCL2-associated transcription factor 1	1,140308753	5,167013534	9,467617975	0,002642777	0,004950916
ADP-ribosylation factor-like 5A	1,193709373	9,572776288	9,449257978	0,002663176	0,004981582
SH3-domain kinase binding protein 1	1,149065918	5,854142247	9,44771262	0,002664902	0,004981582
low density lipoprotein receptor-related protein associated protein 1	1,242930657	12,39837003	9,438157777	0,002675597	0,00499618
histocompatibility 2, class II antigen A, beta 1	1,151085678	14,0077026	9,43124024	0,002683371	0,005005297
stromal antigen 1	1,269269236	6,826403882	9,409615076	0,002707842	0,005045506
proteasome (prosome, macropain) 26S subunit, ATPase, 4	1,133108588	11,58749815	9,403048314	0,002715324	0,005054006
sideroflexin 4	1,017713582	4,74469456	9,394316832	0,002725308	0,005067141
interleukin 15 receptor, alpha chain	1,263571968	5,141842761	9,386895602	0,002733827	0,005077527
corepressor interacting with RBPJ, 1	1,451346614	5,280771629	9,382402969	0,002739	0,005081681
WD repeat domain 37	1,170196367	5,743246911	9,373421844	0,002749373	0,005087618
TWIST neighbor	1,438031382	6,156690823	9,373250296	0,002749571	0,005087618
glycerol kinase	1,218743183	6,378159087	9,369580477	0,002753823	0,005087618
zinc finger protein 760	1,270832956	4,995553879	9,369466004	0,002753956	0,005087618
cathepsin C	1,102379909	10,94775755	9,356449667	0,002769099	0,005110139
processing of precursor 5, ribonuclease P/MRP family (S. cerevisiae)	1,159832131	11,17079659	9,339630853	0,002788807	0,005141028
cytochrome b5 reductase 3	1,200712033	7,573116146	9,330024555	0,002800136	0,005151709
ataxin 10	0,90791091	7,011992764	9,329401135	0,002800873	0,005151709
trans-acting transcription factor 6	1,313876443	5,228913744	9,327155913	0,00280353	0,005151709
Ras association (RalGDS/AF-6) domain family member 5	1,2486414	8,69234442	9,313044549	0,00282029	0,00517431
oral cancer overexpressed 1	1,122128565	8,083498348	9,311771849	0,002821808	0,00517431
histocompatibility 2, T region locus 23	0,96151486	12,82978241	9,261076962	0,002883014	0,005280949
amyloid beta (A4) precursor protein	1,133697892	10,79084623	9,256338127	0,002888812	0,005285977
MAD homolog 1 (Drosophila)	1,289956342	7,669334152	9,238492935	0,002910769	0,00532053
ISY1 splicing factor homolog (S. cerevisiae)	1,255941121	10,85016544	9,234570346	0,002915621	0,005323777
tetratricopeptide repeat domain 39B	1,134687572	6,07198842	9,228601275	0,002923023	0,005331667
crystallin, zeta	1,35223742	4,82709996	9,22402699	0,002928709	0,005334604
cytidine monophospho-N-acetylneuraminic acid synthetase	1,013200316	9,553584339	9,222350273	0,002930796	0,005334604
coiled-coil domain containing 25	1,489659249	5,700696278	9,207199047	0,002949737	0,005363441
RING1 and YY1 binding protein	1,194600871	7,076435264	9,200445076	0,002958226	0,005368393
family with sequence similarity 82, member A2	1,023574746	7,514996721	9,200097357	0,002958664	0,005368393
dephospho-CoA kinase domain containing	0,999041491	9,298687411	9,195645045	0,002964276	0,005372944
DET1 and DDB1 associated 1	1,056984636	6,902696392	9,175464029	0,002989867	0,005413661
MARCKS-like 1	0,999608449	6,490172303	9,168183884	0,002999161	0,005424815
PHD finger protein 13	0,911559691	7,964706261	9,164997744	0,003003239	0,005426521
family with sequence similarity 82, member A2	0,953911861	6,815383451	9,157439323	0,003012938	0,00543837
CD52 antigen	1,113439024	10,81004463	9,144835207	0,003029193	0,005461965
RNA binding motif protein 25	1,33288029	5,477598882	9,142418152	0,003032321	0,005461965
polymerase (DNA directed), delta 2, regulatory subunit	0,927752428	6,292339314	9,137758147	0,003038363	0,005467159
neuroepithelial cell transforming gene 1	1,200839309	10,60695837	9,08227878	0,003111369	0,00559271
bicaudal D homolog 2 (Drosophila)	1,232412351	9,580738118	9,077157028	0,003118209	0,005599191

transcription factor Dp 2	1,175366955	6,100244233	9,073395088	0,003123245	0,005602421
frizzled homolog 1 (Drosophila)	1,158469665	4,638140675	9,057700669	0,003144353	0,005632175
PDZ domain containing 11	1,282683228	6,973060692	9,054056657	0,003149277	0,005632175
mitochondrial fission factor	1,220911007	7,448307963	9,050772439	0,003153723	0,005632175
death effector domain-containing	1,169563793	7,693619529	9,04707228	0,00315874	0,005632175
thymopoietin	0,981292167	5,971542994	9,04701652	0,003158816	0,005632175
F-box protein 33	1,128056561	8,043159996	9,046620036	0,003159354	0,005632175
protein phosphatase 1K (PP2C domain containing)	1,08017098	8,419316752	9,037386001	0,003171918	0,005648755
ezrin	1,21387554	8,147028775	9,03238452	0,003178747	0,005653181
dexamethasone-induced transcript	1,054801288	9,282345552	9,030784602	0,003180935	0,005653181
PARK2 co-regulated-like	1,272635503	5,159014772	9,022910873	0,003191729	0,005666546
DEAD (Asp-Glu-Ala-Asp) box polypeptide 6	1,375912498	5,641399759	9,018881383	0,003197269	0,005670566
trimethylguanosine synthase homolog (S. cerevisiae)	1,386258145	6,329748065	9,013142845	0,003205177	0,005678774
AT rich interactive domain 3B (BRIGHT-like)	0,919466086	6,387722695	8,997747394	0,003226506	0,005710718
SMEK homolog 2, suppressor of mek1 (Dictyostelium)	1,20395563	7,367963384	8,992247431	0,003234165	0,005718427
chromodomain helicase DNA binding protein 2	1,166566158	6,534583593	8,963920981	0,003273943	0,005782852
chloride intracellular channel 4 (mitochondrial)	1,299799476	7,926189972	8,956794137	0,003284039	0,005794772
cyclin-dependent kinase inhibitor 1A (P21)	0,897646058	8,967039494	8,944858021	0,003301028	0,005818819
RIKEN cDNA 2310003L22 gene	1,235263111	5,399549517	8,922445656	0,003333202	0,005869555
SCO cytochrome oxidase deficient homolog 1 (yeast)	0,97629275	7,735405648	8,915231725	0,003343634	0,005881941
SCO cytochrome oxidase deficient homolog 1 (yeast)	1,041287519	5,0739092	8,897679183	0,003369174	0,005914892
signal transducer and activator of transcription 1	0,959999176	4,653147419	8,897661672	0,003369199	0,005914892
DNA methyltransferase (cytosine-5) 1	1,25986425	8,180098278	8,890778358	0,003379276	0,005926572
ADP-ribosylation factor-like 3	1,060358206	7,529909435	8,858598535	0,003426845	0,006003916
resistance to inhibitors of cholinesterase 8 homolog B (C. elegans)	0,998555869	6,491716055	8,856083908	0,003430595	0,006004408
protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alph	0,919760246	6,347731652	8,844729857	0,003447583	0,006018871
TAP binding protein-like	1,375507549	5,714814337	8,843799953	0,003448979	0,006018871
RIKEN cDNA 2310003C23 gene	1,044911798	7,00649645	8,843593007	0,003449289	0,006018871
calcium-binding tyrosine-(Y)-phosphorylation regulated (fibrousheathin 2)	0,98674414	5,178730729	8,839991772	0,003454701	0,006022243
RIKEN cDNA 1110038F14 gene	1,281384309	8,359332988	8,833829551	0,003463983	0,006029555
MIT, microtubule interacting and transport, domain containing 1	1,052453733	7,792306823	8,832584613	0,003465862	0,006029555
steroid receptor RNA activator 1	1,170510059	8,844103602	8,817555752	0,003488635	0,00606308
DnaJ (Hsp40) homolog, subfamily B, member 2	1,288131697	9,370935492	8,812272625	0,003496681	0,006070347
COP9 (constitutive photomorphogenic) homolog, subunit 5 (Arabidopsis thaliana)	1,172816766	9,851078074	8,808415434	0,003502569	0,006070347
RIKEN cDNA 5830418K08 gene	1,270145468	5,184089519	8,807912669	0,003503337	0,006070347
kelch-like ECH-associated protein 1	1,315210021	8,704863243	8,798919432	0,003517113	0,006088122
retinoblastoma binding protein 9	1,205115404	7,9865577	8,782408033	0,003542567	0,006114731
dual adaptor for phosphotyrosine and 3-phosphoinositides 1	1,304468992	5,519959718	8,782148254	0,003542969	0,006114731
protein phosphatase methylesterase 1	1,179404857	10,03789207	8,782074982	0,003543082	0,006114731
tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide	1,531190165	5,72527088	8,773028944	0,003557119	0,006132842
pyrophosphatase (inorganic) 2	1,028664573	6,464111706	8,767547797	0,003565656	0,006141443
TGFB-induced factor homeobox 1	1,116904677	7,272242925	8,752232984	0,003589632	0,006176593
UBX domain protein 7	1,131831916	6,394552382	8,736823655	0,003613943	0,006212249
coiled-coil domain containing 41	1,118430135	8,073539522	8,734025086	0,003618378	0,006213703
minichromosome maintenance deficient 6 (MIS5 homolog, S. pombe) (S. cerevisiae)	1,340509963	8,269137211	8,721693599	0,003637997	0,006241202
eukaryotic translation initiation factor 4E binding protein 1	1,316337168	9,35277987	8,718221732	0,003643542	0,006244527
RIKEN cDNA 2900064A13 gene	1,605543924	6,961842598	8,710159191	0,003656458	0,006258518
erythrocyte protein band 4.1-like 2	1,1261295	6,203853713	8,708615407	0,003658937	0,006258518
membrane-associated ring finger (C3HC4) 5	1,238658254	7,00769403	8,701628076	0,003670181	0,006271554
Rho guanine nucleotide exchange factor (GEF) 5	0,946285432	4,904814347	8,688023485	0,003692188	0,006302937
general transcription factor IIB	1,10493647	4,799396862	8,677224346	0,003709765	0,006326703
SAP domain containing ribonucleoprotein	1,455719991	5,984249809	8,666487359	0,003727336	0,006350412
DEAD (Asp-Glu-Ala-Asp) box polypeptide 58	0,884000133	5,554405995	8,654832809	0,003746516	0,006376813
guanosine monophosphate reductase	1,240176942	5,811257867	8,648515659	0,00375696	0,006388308
serine/threonine kinase 40	1,175600095	6,14480108	8,642966372	0,003766162	0,00639767
DEAD (Asp-Glu-Ala-Asp) box polypeptide 10	1,200717312	5,299555312	8,637864716	0,003774644	0,006405793
nuclear pore membrane protein 121	1,258777876	6,378213329	8,60537405	0,003829182	0,006491982
GTPase activating protein (SH3 domain) binding protein 2	1,29244569	9,88454263	8,596993683	0,003843395	0,006509703
fascin homolog 1, actin bundling protein (Strongylocentrotus purpuratus)	1,342854791	12,869153	8,576432319	0,003878524	0,006562782
Treacher Collins Franceschetti syndrome 1, homolog	1,522378321	6,334416988	8,554451984	0,003916486	0,006611753
polymerase (DNA-directed), delta 4	0,992690037	8,946176464	8,553745443	0,003917713	0,006611753
axin interactor, dorsalization associated	1,119343803	9,34854955	8,553048314	0,003918925	0,006611753
praja1, RING-H2 motif containing	1,336723911	8,49739326	8,542887973	0,003936629	0,006635155
solute carrier family 30 (zinc transporter), member 7	1,275156121	8,136774619	8,531573044	0,003956453	0,006662082
NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5	1,457072935	5,48261153	8,51994409	0,003976947	0,006690082
staufen (RNA binding protein) homolog 1 (Drosophila)	1,098496166	7,982407742	8,502573525	0,004007786	0,006735415
mitochondrial translational release factor 1-like	1,286374668	6,943486464	8,496108846	0,004019333	0,006740708
histocompatibility 2, class II antigen A, beta 1	1,129530991	14,44757054	8,495840729	0,004019813	0,006740708
structural maintenace of chromosomes 3	1,231777764	6,009480737	8,494273828	0,004022618	0,006740708
zinc finger protein 429	1,045474149	7,060059992	8,480454415	0,004047453	0,006775765
myosin, light polypeptide 6, alkali, smooth muscle and non-muscle	1,156339384	13,41360565	8,471958535	0,004062809	0,0067949
glutamate dehydrogenase 1	0,919061799	11,13268291	8,450279106	0,004102296	0,006854319
transportin 3	1,066248126	7,351646177	8,443527016	0,004114684	0,006866674
RIKEN cDNA 8430410A17 gene	1,42350677	5,402972007	8,441928081	0,004117624	0,006866674
dynactin 4	1,240346344	9,713487385	8,436800012	0,004127069	0,006875801
family with sequence similarity 3, member C	1,102014317	9,140863304	8,424795737	0,004149276	0,006906151
Smg-7 homolog, nonsense mediated mRNA decay factor (C. elegans)	1,069374196	7,684827094	8,416965267	0,004163836	0,006923727
preproenkephalin	1,140529265	4,952241722	8,412966742	0,004171293	0,006926834
MYC-associated zinc finger protein (purine-binding transcription factor)	0,91632731	4,624273658	8,411442584	0,00417414	0,006926834
phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p85 alpha)	1,019807409	4,866155448	8,407637412	0,004181256	0,006926834
pleckstrin homology domain-containing, family A (phosphoinositide binding specific) member 3	1,301001297	6,607059271	8,407394516	0,004181711	0,006926834

ring finger protein 25	1,164693912	6,783424302	8,404013751	0,004188046	0,006930696
LYR motif containing 2	1,361285485	7,839144756	8,395048276	0,0042049	0,00695194
bromodomain containing 2	1,210160736	10,07728934	8,391515022	0,004211563	0,006956313
differentially expressed in FDCP 6	1,131937973	7,043925721	8,38105809	0,004231355	0,00698234
GTP cyclohydrolase 1	1,491822079	6,040772358	8,359257437	0,00427296	0,00704428
dynein light chain Tctex-type 3	1,42888779	10,17786193	8,354051104	0,004282966	0,007054057
cDNA sequence BC017643	1,220984254	8,895688863	8,350998613	0,004288844	0,007057024
S-adenosylhomocysteine hydrolase-like 1	1,213134949	8,635163863	8,347946016	0,004294732	0,007060002
interferon, alpha-inducible protein 27 like 1	1,278224911	10,67159599	8,342735021	0,004304805	0,007069846
leucyl-tRNA synthetase	1,141266608	6,83511453	8,337185605	0,004315562	0,007076412
ER degradation enhancer, mannosidase alpha-like 2	1,135916733	12,14723177	8,336455807	0,004316979	0,007076412
aldo-keto reductase family 1, member B10 (aldose reductase)	0,969207651	7,140182078	8,314405001	0,004360044	0,007140242
family with sequence similarity 20, member B	1,282948452	6,345466758	8,309437058	0,004369814	0,00714423
TBC1 domain family, member 7	1,202248598	6,917008033	8,308969907	0,004370734	0,00714423
histocompatibility 2, class II antigen E beta	1,009391255	13,83597518	8,277717599	0,004432789	0,007238829
Ngg1 interacting factor 3-like 1 (S. pombe)	1,308521533	6,455839487	8,268539727	0,004451205	0,00726205
archaelysin family metallopeptidase 2	1,120421297	6,414066894	8,24112289	0,004506741	0,007345733
proline-rich coiled-coil 2C	1,316715221	6,421590126	8,228859712	0,004531839	0,007379692
purinergic receptor P2Y, G-protein coupled 10	1,276385296	6,235775427	8,214486756	0,004561458	0,007420944
zinc finger homeobox 3	1,230620989	4,858585958	8,200330265	0,004590849	0,007455843
intraflagellar transport 20 homolog (Chlamydomonas)	1,369541232	7,557617848	8,200006172	0,004591525	0,007455843
zinc finger protein 106	1,269047205	5,196623418	8,192514216	0,004607169	0,007474236
cancer susceptibility candidate 1	0,908160641	4,995101359	8,182346413	0,0046285	0,00750181
mitochondrial transcription termination factor	1,201834906	6,91040475	8,179484967	0,004634523	0,007504546
pyruvate dehydrogenase (lipoamide) beta	1,257908272	8,328883978	8,172190507	0,004649918	0,007519528
phosphatase and tensin homolog	1,230019608	6,214714535	8,170598681	0,004653286	0,007519528
proliferation-associated 2G4	1,101061268	7,953998618	8,168935093	0,004656808	0,007519528
mechanistic target of rapamycin (serine/threonine kinase)	1,018424439	8,594464282	8,152356527	0,004692076	0,007569417
sorcin	1,296754003	11,31495146	8,147362875	0,004702759	0,007579587
a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 7	1,31674507	5,1357819	8,120583255	0,004760529	0,007665558
YTH domain containing 1	1,116024112	8,226816381	8,11474162	0,004773238	0,007675093
inter-alpha trypsin inhibitor, heavy chain 3	1,256670767	5,818103669	8,113787302	0,004775318	0,007675093
SAM domain and HD domain, 1	1,564558618	5,734675483	8,094925787	0,004816641	0,007734329
promyelocytic leukemia	1,030430302	5,617937087	8,087956633	0,004832014	0,007751822
PRP38 pre-mRNA processing factor 38 (yeast) domain containing A	1,27028541	5,647275387	8,076288617	0,004857877	0,007781712
PHD finger protein 20	1,308612719	8,971383325	8,075497178	0,004859637	0,007781712
zinc finger protein 410	1,074372091	5,104499573	8,057443633	0,004899984	0,007839069
E2F transcription factor 3	0,924046046	6,418009342	8,054977451	0,004905525	0,007840687
crystallin, gamma N	1,2253077	5,123421945	8,049964797	0,00491681	0,007851475
Tctex1 domain containing 2	1,286874199	10,98753802	8,03880333	0,004942046	0,007884499
StAR-related lipid transfer (START) domain containing 6	1,424975041	5,082300375	8,031286883	0,004959124	0,0078993
mitochondrial methionyl-tRNA formyltransferase	1,067833859	5,208009979	8,029674186	0,004962797	0,0078993
protease (prosome, macropain) 26S subunit, ATPase 5	1,125678762	10,333767	8,028701731	0,004965013	0,0078993
proteasome (prosome, macropain) 26S subunit, non-ATPase, 2	1,124398626	4,987356528	8,011145749	0,005005221	0,007955957
mitogen-activated protein kinase binding protein 1	1,132587632	6,22740424	7,99542443	0,005041544	0,008006104
destrin	1,041435403	4,681354678	7,993496297	0,005046019	0,008006104
dexamethasone-induced transcript	1,115443972	8,54601441	7,984598936	0,005066731	0,008031604
serine/threonine kinase 24 (STE20 homolog, yeast)	1,129358127	10,09798506	7,970893764	0,005098826	0,008075084
zinc finger and BTB domain containing 46	1,289100491	6,774222947	7,965495308	0,005111532	0,008087807
solute carrier family 25 (mitochondrial carrier, citrate transporter), member 1	1,220359491	6,356197499	7,962831377	0,005117815	0,008089553
torsin A interacting protein 2	1,084133857	6,120486933	7,95805792	0,005129096	0,008089553
homer homolog 1 (Drosophila)	1,317718761	7,006901649	7,957552262	0,005130293	0,008089553
mannose-6-phosphate receptor, cation dependent	1,467611602	8,342306573	7,957114791	0,005131328	0,008089553
eukaryotic translation initiation factor 4A2	1,238171791	10,96193616	7,952475932	0,005142324	0,008099511
transcription factor Dp 2	0,995266853	5,513638609	7,936042889	0,005181494	0,008151482
zinc finger, HIT type 3	1,204137944	5,552922073	7,931522259	0,00519233	0,008151482
non-POU-domain-containing, octamer binding protein	1,258111674	5,865294764	7,931430673	0,00519255	0,008151482
mitochondrial ribosomal protein L20	1,378554593	9,615599125	7,930761302	0,005194156	0,008151482
melanoma associated antigen (mutated) 1	1,224238978	8,965455495	7,918284717	0,005224208	0,008189604
hect (homologous to the E6-AP (UBE3A) carboxyl terminus) domain and RCC1 (CHC1)-like domain (I	0,939934543	9,883729067	7,916753661	0,00522791	0,008189604
TAF9B RNA polymerase II, TATA box binding protein (TBP)-associated factor	1,371147408	7,83355722	7,900830074	0,005266586	0,008242732
transmembrane protein 188	1,151872509	8,028323227	7,894811288	0,005281291	0,008258278
serine (or cysteine) peptidase inhibitor, clade B, member 6b	1,461531076	9,943077428	7,842450767	0,005411216	0,008453804
signal recognition particle receptor ('docking protein')	1,106715262	7,172134193	7,835398828	0,005428993	0,008473929
proline rich Gla (G-carboxyglutamic acid) 3 (transmembrane)	1,139524424	4,978063107	7,832338617	0,005436728	0,008478358
rhomboid domain containing 2	1,088415094	4,656399418	7,824475215	0,005456662	0,008501785
transmembrane protein 199	1,312827896	9,925317433	7,820999698	0,0054655	0,00850502
PRELI domain containing 2	1,123912974	8,356702412	7,819795325	0,005468566	0,00850502
poly(A) binding protein, cytoplasmic 1	1,244703735	9,562457593	7,814075377	0,005483155	0,008520056
golgi SNAP receptor complex member 2	1,223060545	9,821363395	7,786584963	0,005553899	0,008622241
guanylate binding protein 5	1,078631698	4,531084576	7,784146008	0,005560225	0,008624328
SCY1-like 2 (S. cerevisiae)	1,299578915	5,048325608	7,764408196	0,005611731	0,008696425
nuclear undecaprenyl pyrophosphate synthase 1 homolog (S. cerevisiae)	1,342795137	9,66789778	7,75536564	0,00563551	0,00872116
retinoblastoma binding protein 6	1,10679161	5,156460584	7,754509203	0,005637769	0,00872116
syntaphilin	0,926571437	5,056333078	7,752288961	0,005643628	0,008722428
F-box and WD-40 domain protein 17	0,956153832	9,888996221	7,731286342	0,005699397	0,008800764
amyloid beta precursor protein (cytoplasmic tail) binding protein 2	1,147365706	9,005193626	7,728571469	0,005706652	0,008804113
gephyrin	1,240541392	7,121586334	7,724073911	0,005718695	0,008814835
sterol-C4-methyl oxidase-like	0,947386118	9,474611022	7,720863037	0,005727309	0,008820032
RIKEN cDNA 4933437N03 gene	1,141878633	4,891123488	7,719021633	0,005732257	0,008820032
ubiquitin-conjugating enzyme E2H	1,156353863	9,155530089	7,715531977	0,005741646	0,008826633

uridine-cytidine kinase 1	1,141432609	5,829848531	7,706661846	0,005765591	0,008854127
zinc finger proten 607	0,916324764	6,044737582	7,705121562	0,005769761	0,008854127
methionine adenosyltransferase II, alpha	1,300253033	7,012690702	7,702909434	0,005775755	0,008855476
nuclear antigen Sp100	0,986781578	4,641170026	7,694069924	0,00579978	0,008884442
hypermethylated in cancer 1	0,989429987	4,695020205	7,685949986	0,00582195	0,008910518
integrator complex subunit 3	1,097344071	10,5207332	7,669384028	0,005867483	0,008972273
tumor necrosis factor receptor superfamily, member 13b	1,227644014	4,91459225	7,659494952	0,005894859	0,009004488
jumonji domain containing 7	0,929077042	5,800399315	7,657136191	0,00590141	0,009004488
RIKEN cDNA 9930023K05 gene	1,443433665	4,939912323	7,656148349	0,005904156	0,009004488
steroid receptor RNA activator 1	1,305790907	9,170317516	7,650886138	0,005918809	0,00901889
proteasome (prosome, macropain) 26S subunit, non-ATPase, 7	1,274800636	9,157385631	7,646109137	0,005932148	0,009027811
ribosome production factor 1 homolog (S. cerevisiae)	1,319259726	7,053355747	7,645055256	0,005935095	0,009027811
nuclear factor of kappa light polypeptide gene enhancer in B-cells 1, p105	1,118249244	10,41279215	7,633890781	0,005966421	0,009061796
inhibitor of growth family, member 1	1,30498184	7,032276396	7,633362761	0,005967907	0,009061796
low density lipoprotein receptor-related protein 8, apolipoprotein e receptor	1,407270034	4,89029695	7,629319677	0,005979301	0,00907114
PDZ domain containing 11	1,294550105	7,667273821	7,624614936	0,005992592	0,009083342
coiled-coil domain containing 6	1,214426868	7,749647773	7,61536667	0,006018816	0,00910615
cyclin L1	1,129515269	6,595082994	7,614323665	0,006021782	0,00910615
glutathione S-transferase kappa 1	1,006720608	6,339319507	7,613747242	0,006023421	0,00910615
protein kinase D3	1,099881024	6,684362685	7,601033501	0,006059719	0,009145192
ubiquitin specific peptidase 42	1,069136822	7,05932124	7,601000871	0,006059813	0,009145192
caseinolytic peptidase X (E.coli)	1,281778512	7,117994261	7,593138666	0,006082385	0,009171262
histocompatibility 2, T region locus 10	1,104808824	8,442518526	7,59109665	0,006088263	0,009172136
A kinase (PRKA) anchor protein 2	1,278094909	5,526996563	7,583421829	0,006110416	0,009197504
nudix (nucleoside diphosphate linked moiety X)-type motif 5	1,243534868	9,018065674	7,567181449	0,006157596	0,009260468
serum response factor	1,299636235	8,400514088	7,55407962	0,006195963	0,00931008
retrotransposon gag domain containing 4	1,265165006	5,27126783	7,537216217	0,00624575	0,009376751
apoptotic peptidase activating factor 1	1,253557464	9,822297826	7,532416224	0,006260005	0,009390008
interferon activated gene 204	0,994131743	4,668908069	7,528710903	0,006271035	0,009396651
coiled-coil domain containing 53	1,276452134	7,475088333	7,52728298	0,006275291	0,009396651
acyl-Coenzyme A dehydrogenase family, member 9	1,302768277	6,645334773	7,52509469	0,006281821	0,009398299
pleckstrin homology domain-containing, family A (phosphoinositide binding specific) member 2	1,025656069	11,19604915	7,520232422	0,006296357	0,009411911
thioredoxin-like 4A	1,109968757	9,195218355	7,489383037	0,006389486	0,009542882
makorin, ring finger protein, 2	1,246614493	7,707786205	7,483406577	0,00640771	0,00956185
synovial sarcoma translocation gene on chromosome 18-like 1	1,307169986	4,992994927	7,477013711	0,00642727	0,009582777
wings apart-like homolog (Drosophila)	1,207579796	7,210696145	7,472839595	0,006440078	0,00959361
HMG box domain containing 3	1,128295433	9,724893634	7,468901943	0,006452187	0,009603384
neutral sphingomyelinase (N-SMase) activation associated factor	1,007591256	8,49800277	7,46236515	0,006472348	0,009625115
RIKEN cDNA 1700003F12 gene	1,110256203	4,65475086	7,458005303	0,006485834	0,009636892
IQ motif and Sec7 domain 2	0,965956095	5,716168993	7,452148933	0,006504	0,009655596
progesterone receptor membrane component 2	1,317176277	5,226925972	7,446163798	0,006522627	0,00967495
DCP2 decapping enzyme homolog (S. cerevisiae)	1,01523771	6,035183654	7,440773157	0,006539455	0,009691607
histidine rich calcium binding protein	1,121122243	4,814099515	7,437635126	0,006549274	0,009697856
serum amyloid A 1	1,187109075	5,07588512	7,43039337	0,006571999	0,009723188
dynein light chain roadblock-type 1	1,225730578	11,33966013	7,419271972	0,006607074	0,009766734
lysine (K)-specific demethylase 5A	1,361894991	5,727397606	7,404189521	0,006654986	0,009829165
RIKEN cDNA 0610007P14 gene	1,257491946	8,206167675	7,391793562	0,006694662	0,009879335
armadillo repeat containing 8	1,068441531	4,757535977	7,388937198	0,006703843	0,009884457
adaptor-related protein complex 3, mu 2 subunit	1,077010359	8,622145431	7,384118801	0,006719363	0,009898908
chromodomain helicase DNA binding protein 1	1,246973064	6,51866345	7,380969377	0,006729529	0,009905455
protein kinase, DNA activated, catalytic polypeptide	1,009531342	4,883492969	7,375358793	0,006747684	0,009923739
proteasome (prosome, macropain) subunit, beta type 7	1,082137867	10,83551954	7,370547372	0,006763298	0,009938258
thiosulfate sulfurtransferase (rhodanese)-like domain containing 2	1,425514675	5,616599083	7,367588101	0,006772922	0,009943959
hypothetical LOC100505101	1,17448282	7,137878908	7,326726844	0,006907424	0,01013284
malonyl CoA:ACP acyltransferase (mitochondrial)	1,342913699	5,647286925	7,322304159	0,006922165	0,010145866
zinc finger protein 948	1,211257986	4,92980553	7,316878315	0,006940299	0,010163838
cyclin G1	1,051470529	9,02380734	7,313469653	0,006951719	0,010171957
kit oncogene	1,329220252	9,135880695	7,309543977	0,006964898	0,010182633
solute carrier family 25 (mitochondrial carrier, peroxisomal membrane protein), member 17	1,204764128	8,367530884	7,297858743	0,007004296	0,010226806
protein prenyltransferase alpha subunit repeat containing 1	1,263873532	4,956008375	7,297080846	0,007006928	0,010226806
insulin-like growth factor binding protein 4	1,027775392	7,076455606	7,29516854	0,007013402	0,010227632
nuclear transcription factor-Y beta	1,044818219	7,466966765	7,288930374	0,007034571	0,010249868
protein phosphatase 1, regulatory subunit 3D	1,080910832	6,481231379	7,286318566	0,007043456	0,010250351
zinc finger, AN1-type domain 6	1,544890872	7,308445227	7,285352271	0,007046746	0,010250351
male-specific lethal 2 homolog (Drosophila)	1,229951345	5,175381709	7,283018834	0,007054699	0,010253304
zinc finger and BTB domain containing 40	1,190457269	6,402572711	7,264595643	0,007117853	0,010336413
glucosamine-6-phosphate deaminase 1	1,131279083	7,325640452	7,261900812	0,007127145	0,010338627
OTU domain, ubiquitin aldehyde binding 2	1,302771393	4,953896276	7,259935981	0,007133929	0,010338627
protein phosphatase 1F (PP2C domain containing)	1,308256483	9,308084305	7,258961567	0,007137296	0,010338627
Rho-associated coiled-coil containing protein kinase 1	1,051099238	6,909654482	7,25120393	0,007164166	0,010368873
low density lipoprotein receptor-related protein 8, apolipoprotein e receptor	1,013303937	4,676793293	7,219870523	0,007273885	0,010518876
annexin A2	1,141144137	13,94405599	7,197721564	0,007352605	0,01062384
dual adaptor for phosphotyrosine and 3-phosphoinositides 1	1,251744577	8,215273387	7,180482675	0,007414551	0,010704411
ring finger protein, transmembrane 2	1,155248545	4,978126026	7,174379335	0,007436626	0,010727333
SR-related CTD-associated factor 8	1,329094049	5,528851195	7,171790942	0,007446011	0,010731927
ERGIC and golgi 2	1,266531307	7,293377424	7,162472041	0,00747991	0,010771818
nudix (nucleoside diphosphate linked moiety X)-type motif 5	1,270152593	8,780644042	7,159859018	0,007489448	0,010776587
lipoic acid synthetase	1,098144586	8,760283639	7,151770973	0,007519057	0,010810205
ubiquilin 1	1,442633092	6,639625681	7,138856116	0,007566614	0,010869552
abl-interactor 1	1,01961417	6,277617182	7,124951476	0,007618203	0,010934585
bromodomain containing 8	1,193474271	5,032516016	7,117756747	0,007645055	0,010958887

MAD homolog 6 (Drosophila)	1,317336346	4,987245043	7,117023836	0,007647796	0,010958887
GIPC PDZ domain containing family, member 1	1,063350826	6,959527152	7,110630345	0,007671759	0,010984131
phosphoglucomutase 2	1,469024592	11,30420027	7,107547739	0,007683343	0,010991626
ring finger protein 125	0,995148848	4,806791518	7,086391889	0,007763389	0,011096967
SR-related CTD-associated factor 11	1,010649956	7,530939247	7,083265476	0,007775299	0,011104821
microtubule-associated protein 6	1,191338957	4,70372526	7,078735901	0,007792592	0,011120343
protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 1	1,123145097	4,708100183	7,075998616	0,007803063	0,011126114
coiled-coil domain containing 55	1,15684958	8,615819317	7,073550655	0,007812442	0,011130318
myeloid/lymphoid or mixed-lineage leukemia 1	0,954748742	8,778750684	7,0680712	0,007833481	0,011151115
mediator complex subunit 21	1,07866161	8,249991027	7,042218803	0,007933626	0,011284394
THUMP domain containing 3	1,267889181	7,75217514	7,033415608	0,007968062	0,011324068
CD48 antigen	1,141244305	5,352843473	7,029030145	0,007985281	0,011334522
LSM14 homolog B (SCD6, S. cerevisiae)	1,214974566	9,538171651	7,028207931	0,007988514	0,011334522
ubiquitously transcribed tetratricopeptide repeat gene, Y chromosome	1,087992964	5,089412025	7,019679524	0,008022137	0,011372906
cytoplasmic FMR1 interacting protein 1	1,129961515	7,115215623	7,012499965	0,008050568	0,011403873
AT rich interactive domain 5B (MRF1-like)	1,202574438	6,196535495	7,00770651	0,008069614	0,011413677
ring finger protein 126	1,480313645	6,081528556	7,007439647	0,008070676	0,011413677
ring finger protein 113A2	1,156456055	9,217132077	7,005535235	0,008078259	0,011415074
stromal interaction molecule 2	1,003428355	5,083944751	6,999395798	0,008102759	0,01144016
GATA zinc finger domain containing 2B	1,134441625	5,737948031	6,997777871	0,00810923	0,01144016
choline phosphotransferase 1	1,270764461	5,921368299	6,98900011	0,008144439	0,011480475
cDNA sequence BC005764	1,01953214	4,642450729	6,974714424	0,008202117	0,011552371
DnaJ (Hsp40) homolog, subfamily C, member 12	1,331242149	8,693500625	6,971349974	0,008215768	0,011562191
aspartate-beta-hydroxylase	1,140302122	5,029190988	6,965724013	0,008238655	0,011578576
telomeric repeat binding factor 2, interacting protein	1,048932967	8,485658524	6,963742932	0,008246732	0,011578576
cAMP responsive element modulator	1,222758454	6,29420351	6,963560026	0,008247478	0,011578576
bifunctional apoptosis regulator	1,093620196	8,038647218	6,949487307	0,008305118	0,011650048
uveal autoantigen with coiled-coil domains and ankyrin repeats	1,263791843	7,773212202	6,941230393	0,008339152	0,011688317
COX18 cytochrome c oxidase assembly homolog (S. cerevisiae)	1,265166569	8,42044667	6,931466733	0,008379603	0,011735513
PRP38 pre-mRNA processing factor 38 (yeast) domain containing A	1,12266397	5,313002945	6,92581115	0,008403138	0,011758958
sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic do	1,339600311	12,88028153	6,923843268	0,008411344	0,011760935
integrator complex subunit 5	1,166130151	7,692587008	6,917499904	0,008437861	0,011788488
golgi membrane protein 1	1,053986688	9,23295745	6,910320504	0,008467987	0,011821037
ubiquitin-conjugating enzyme E2Z (putative)	1,499561426	5,090045974	6,893155788	0,008540517	0,011912679
methionine aminopeptidase 2	1,387496554	6,14731817	6,889670299	0,008555331	0,011923735
transportin 1	1,258194521	4,734102272	6,881520772	0,008590085	0,01196254
gremlin 2 homolog, cysteine knot superfamily (Xenopus laevis)	1,19812805	4,661567972	6,878012418	0,008605097	0,011973812
RIKEN cDNA 3830406C13 gene	1,304680794	5,106283103	6,870622154	0,008636816	0,012008296
TOX high mobility group box family member 3	1,319509991	6,109406265	6,867366964	0,00865083	0,012018128
phospholipase A2, group XIIA	1,241117593	8,675292589	6,852450932	0,00871538	0,012098094
N-6 adenine-specific DNA methyltransferase 1 (putative)	1,403442734	4,850827077	6,849469303	0,008728349	0,012106388
5'-nucleotidase, cytosolic II	1,307237087	5,952500651	6,842897308	0,008757014	0,012136422
glutathione peroxidase 4	1,024653658	10,56011847	6,831817893	0,008805583	0,012193971
kelch-like ECH-associated protein 1	1,304458875	7,35325223	6,826320705	0,008829796	0,012217727
NSFL1 (p97) cofactor (p47)	1,062350078	9,04370853	6,822632278	0,008846085	0,012230489
prohibitin 2	1,118103264	9,738708634	6,816052332	0,008875228	0,012253929
RIKEN cDNA 2900073G15 gene	1,366704388	7,939729682	6,815608951	0,008877196	0,012253929
tRNA methyltransferase 11-2 homolog (S. cerevisiae)	1,06036947	5,96002168	6,812106523	0,008892758	0,012265629
RIKEN cDNA 3830406C13 gene	1,463696057	7,122009322	6,808573589	0,008908487	0,012277541
cold shock domain containing E1, RNA binding	1,447239235	9,630010273	6,802477222	0,008935704	0,012305253
F-box protein 4	1,401107091	4,992638666	6,7972935	0,008958921	0,012327419
RAB3A, member RAS oncogene family	1,071318601	4,87330542	6,794906358	0,008969636	0,012328823
RIKEN cDNA 1110034A24 gene	0,954452843	5,502325205	6,79389359	0,008974187	0,012328823
integrin alpha 2b	0,995638914	4,60824654	6,778790829	0,009042359	0,012412627
plexin D1	0,998123251	6,843620998	6,775863085	0,009055643	0,012414004
sorting nexin 1	1,346976223	7,911570589	6,77540909	0,009057705	0,012414004
protein phosphatase 1M	1,090297739	9,374719134	6,770904556	0,009078193	0,01243224
F-box protein 31	1,434825867	6,454199692	6,752933317	0,00916046	0,012534986
polymerase (RNA) II (DNA directed) polypeptide D	1,097411353	7,101349252	6,750671226	0,009170876	0,012539326
homeobox B4	1,331373944	5,552288319	6,744807882	0,009197937	0,01256543
zinc finger (CCCH type), RNA binding motif and serine/arginine rich 2	1,237839625	6,885893054	6,743391925	0,009204486	0,01256543
suppressor of cytokine signaling 1	1,02387043	5,202359893	6,732254133	0,009256184	0,012626048
ring finger protein 14	1,112974576	10,02692217	6,725209792	0,009289054	0,012660908
mitochondrial ribosomal protein S33	1,137945937	10,15397227	6,723572957	0,009296711	0,012661374
DNA segment, Chr 14, Abbott 1 expressed	1,153013432	6,593885004	6,718928448	0,009318477	0,01268104
NADH dehydrogenase (ubiquinone) 1, alpha/beta subcomplex, 1	1,306147587	5,168411055	6,712923851	0,009346703	0,01270946
myotubularin related protein 12	1,232855361	8,664435284	6,707705585	0,009371312	0,012732921
ATPase, Ca++ transporting, ubiquitous	0,977664848	6,817659059	6,704298777	0,009387419	0,012744802
inhibitor of kappaB kinase epsilon	1,204414078	7,325929399	6,701748479	0,009399497	0,012745667
dynamin 1-like	1,343030964	7,300262168	6,701055316	0,009402783	0,012745667
histidine triad nucleotide binding protein 3	1,181618075	9,08920756	6,695329408	0,009429976	0,012772526
RIKEN cDNA 2310008H04 gene	1,288796707	7,943240286	6,688592497	0,009462087	0,012805998
apoptotic peptidase activating factor 1	1,150387012	7,215861995	6,683513095	0,00948638	0,012828846
ubiquitin specific peptidase 37	1,4882777	6,574891988	6,680694569	0,00949989	0,01283284
pseudouridylate synthase 10	1,388668604	6,622264497	6,679804919	0,00950416	0,01283284
UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	1,161139196	7,958464607	6,675785812	0,009523474	0,012840275
lymphotoxin A	1,168174339	4,831165711	6,675572064	0,009524502	0,012840275
family with sequence similarity 162, member A	1,369892545	8,700212526	6,672284153	0,009540338	0,012851615
N-acetyltransferase 2 (arylamine N-acetyltransferase)	1,123098076	7,034334718	6,668769147	0,009557301	0,012864454
centromere protein W	1,225478946	7,42987471	6,656888457	0,009614892	0,012931918
synovial sarcoma translocation, Chromosome 18	1,234637653	7,661834093	6,655047257	0,009623853	0,01293392

cardiotrophin-like cytokine factor 1	1,069688075	4,899549844	6,65172172	0,009640062	0,012941094
histone cluster 2, H2aa1	1,089348482	8,709451036	6,650885337	0,009644143	0,012941094
DnaJ (Hsp40) homolog, subfamily C, member 21	1,119657155	8,900482907	6,645384576	0,009671036	0,012967129
pre-B-cell leukemia transcription factor interacting protein 1	1,167377258	11,9045904	6,643441127	0,009680558	0,01296985
zinc finger protein 281	1,004341912	6,487087421	6,641206716	0,009691519	0,012974493
phosphatidylinositol 3-kinase, catalytic, alpha polypeptide	1,48876377	5,716158577	6,639495279	0,009699924	0,01297571
guanine nucleotide binding protein-like 3 (nucleolar)	1,417299955	5,196301428	6,633018032	0,00973181	0,013008311
zinc finger protein 281	1,11837891	7,207061496	6,631017774	0,009741681	0,013011458
ubiquitin-like, containing PHD and RING finger domains 2	1,156869796	6,456862063	6,623178685	0,009780477	0,013053205
CLIP associating protein 1	1,240475034	4,775562627	6,619474089	0,009798873	0,013067681
adenosine deaminase, RNA-specific, B1	1,079267315	4,965066003	6,617523435	0,009808576	0,01307055
coenzyme Q2 homolog, prenyltransferase (yeast)	1,050948538	5,159136188	6,608924464	0,009851477	0,013110422
sperm antigen with calponin homology and coiled-coil domains 1-like	1,109740557	11,3425646	6,60849117	0,009853645	0,013110422
cAMP responsive element modulator	1,348545646	7,732221666	6,59765579	0,009908025	0,013172651
phosphoglycerate mutase 1	1,313441617	8,844740076	6,595046726	0,00992117	0,01317747
transforming growth factor beta regulated gene 1	1,161782354	10,01711772	6,593915723	0,009926875	0,01317747
atlastin GTPase 3	1,173777132	7,26128224	6,579238311	0,010001249	0,013266025
trimethylguanosine synthase homolog (S. cerevisiae)	1,040850832	4,870341657	6,568676284	0,010055165	0,013327328
kelch-like ECH-associated protein 1	1,213683116	9,317976383	6,5655005	0,010071441	0,013331556
neuropilin 2	1,76857874	6,14451592	6,565048978	0,010073758	0,013331556
RIKEN cDNA B230219D22 gene	1,223351207	8,443471913	6,54575156	0,010173339	0,013453056
protein O-glucosyltransferase 1	1,118706689	11,65683097	6,541381381	0,010196047	0,013472792
histocompatibility 2, class II antigen A, alpha	1,121259324	12,28825317	6,530511252	0,010252782	0,013537427
atlastin GTPase 3	1,29365962	7,93148343	6,516692138	0,010325433	0,013621091
phosphodiesterase 6D, cGMP-specific, rod, delta	1,196530238	6,281507607	6,515470344	0,010331884	0,013621091
brain and reproductive organ-expressed protein	1,261150085	7,474979117	6,505948138	0,010382325	0,013669302
zinc finger, DHHC domain containing 5	0,999940707	6,333800328	6,505586248	0,010384247	0,013669302
coiled-coil domain containing 91	1,364582706	6,642093026	6,499325981	0,01041757	0,013693378
Janus kinase 3	1,209919821	4,834398707	6,499177984	0,010418359	0,013693378
src homology 2 domain-containing transforming protein D	1,120919876	5,117845261	6,494687497	0,010442339	0,013714483
dynamin 1-like	1,207092186	10,10413567	6,489641961	0,010469358	0,013739544
peroxisomal biogenesis factor 19	1,227259018	9,585307604	6,485751067	0,010490249	0,013756531
chromobox homolog 3 (Drosophila HP1 gamma)	1,13829877	6,408623251	6,483315833	0,010503348	0,013763282
transmembrane protein 85	1,343494772	10,08766903	6,480834769	0,010516713	0,013770371
zinc finger, MYND-type containing 8	1,058238977	5,863373722	6,478112809	0,010531399	0,01377067
small nuclear ribonucleoprotein D3	1,282650135	11,10573659	6,477843723	0,010532852	0,01377067
enhancer of polycomb homolog 2 (Drosophila)	1,123061996	8,038857603	6,471211456	0,010568738	0,013801213
non-SMC element 2 homolog (MMS21, S. cerevisiae)	1,283284685	4,846247541	6,470580504	0,01057216	0,013801213
ring finger protein 34	1,393596077	5,353044921	6,464487744	0,010605263	0,01383371
TBC1D12: TBC1 domain family, member 12	1,018183641	4,621107366	6,463059992	0,010613037	0,01383371
glycerophosphodiester phosphodiesterase 1	1,194893077	9,153306938	6,455348508	0,010655141	0,013876772
inositol monophosphatase domain containing 1	1,259962277	5,845970839	6,454076039	0,010662107	0,013876772
serologically defined colon cancer antigen 3	1,058752997	6,18986473	6,448422049	0,010693122	0,013905681
chloride channel 3	1,473963876	5,939746218	6,447100629	0,010700386	0,013905681
DnaJ (Hsp40) homolog, subfamily B, member 6	1,251124033	5,454344304	6,444265407	0,010715989	0,013915512
aldolase 1 A retrogene 2	0,975195872	4,608320979	6,44191438	0,010728948	0,013921896
cyclin D-type binding-protein 1	1,113686213	8,077956542	6,420454303	0,01084807	0,014065924
pleckstrin homology-like domain, family B, member 1	1,376629904	6,213182039	6,412646514	0,010891785	0,014110337
toll-interleukin 1 receptor (TIR) domain-containing adaptor protein	1,192717496	5,079846482	6,411428122	0,010898625	0,014110337
coenzyme Q2 homolog, prenyltransferase (yeast)	1,104737193	8,198490903	6,407240141	0,010922174	0,014130256
amyloid beta (A4) precursor protein-binding, family B, member 3	1,115861024	4,953556619	6,404662761	0,010936695	0,014138476
p21 protein (Cdc42/Rac)-activated kinase 2	1,272083659	7,465764076	6,395159821	0,010990428	0,014197336
suppression of tumorigenicity 7	1,102109234	4,713423324	6,386937479	0,011037164	0,014247077
CD34 antigen	1,133967859	4,762504059	6,381863161	0,01106612	0,01427381
predicted gene 561	1,253524819	7,72493792	6,379045634	0,011082235	0,014283953
interleukin 31 receptor A	1,2559004	4,84720106	6,376128031	0,011098952	0,014290826
PHD finger protein 6	1,248024506	7,110786529	6,375234095	0,011104079	0,014290826
cDNA sequence BC016423	1,212379194	5,302056633	6,369000108	0,011139913	0,014326292
ubiquitin specific peptidase 25	1,243669647	4,905023255	6,366258336	0,011155715	0,014335963
Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2	1,093324588	9,896497957	6,357150594	0,011208392	0,014377774
tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	1,583881462	5,200144588	6,3565339	0,011211969	0,014377774
transmembrane protein 109	1,117752627	10,75797546	6,356327099	0,011213168	0,014377774
dynein light chain LC8-type 1	1,319478655	8,459964783	6,340003131	0,011308343	0,014489077
IK cytokine	0,985595944	9,910040058	6,333056741	0,011349124	0,014530573
Abelson helper integration site 1	1,276833131	5,608326385	6,327433618	0,01138226	0,014562226
zinc finger protein 207	1,184174825	8,846150989	6,314599719	0,011458304	0,014641644
coatomer protein complex, subunit epsilon	1,345181005	9,06595515	6,314104057	0,011461252	0,014641644
guanosine diphosphate (GDP) dissociation inhibitor 1	1,288012477	9,359565395	6,306622739	0,011505863	0,014683254
GTP binding protein 4	1,272420512	11,2004017	6,305400256	0,011513171	0,014683254
syndecan 1	0,987030266	6,156824059	6,304380508	0,011519271	0,014683254
thymoma viral proto-oncogene 3	1,369896504	6,628665418	6,299133697	0,011550718	0,014712504
coiled-coil domain containing 111	1,090847666	6,892168909	6,288732501	0,01161335	0,014781403
integrin alpha 5 (fibronectin receptor alpha)	1,303046424	5,666961486	6,287140617	0,01162297	0,014782778
ADP-ribosylation factor guanine nucleotide-exchange factor 1(brefeldin A-inhibited)	1,260623362	9,646180152	6,266562324	0,011748153	0,014931023
LSM3 homolog, U6 small nuclear RNA associated (S. cerevisiae)	1,268784354	9,353926125	6,250951977	0,011844147	0,01504145
PDZ and LIM domain 5	1,275849856	6,208686218	6,249613503	0,011852419	0,01504145
TATA box binding protein (Tbp)-associated factor, RNA polymerase I, D	1,260917164	7,374459024	6,238248734	0,011922927	0,015119844
proteasome (prosome, macropain) subunit, beta type 5	1,108190741	9,986681531	6,235430435	0,011940487	0,015131027
lysozyme-like 4	0,977377902	5,667606153	6,233822623	0,011950518	0,01513266
RCC1 domain containing 1	1,133370066	4,716618563	6,230720329	0,011969899	0,015141494
asparagine synthetase	1,076562969	4,668733107	6,229906683	0,011974989	0,015141494

solute carrier family 33 (acetyl-CoA transporter), member 1	1,148260062	4,965910326	6,223716784	0,012013787	0,015179464
eukaryotic translation initiation factor 6	1,166982496	11,52759956	6,204232832	0,012136858	0,015323779
NHL repeat containing 2	1,27367541	7,883484975	6,19683695	0,012183952	0,015368979
cyclin-dependent kinase 5, regulatory subunit 1 (p35)	1,398649862	5,313018964	6,195824568	0,012190415	0,015368979
RAB GTPase activating protein 1	1,112932375	4,993530069	6,193531797	0,012205066	0,015376251
interleukin 1 receptor antagonist	1,012414183	4,839645757	6,188319124	0,01223845	0,015407096
dynactin 4	1,25405583	8,345720775	6,186650534	0,012249159	0,01540937
olfactory receptor 458	1,361001488	4,859839366	6,181623114	0,012281488	0,015428796
solute carrier family 1 (glutamate/neutral amino acid transporter), member 4	1,001203	5,166897998	6,181329021	0,012283383	0,015428796
protein phosphatase 1B, magnesium dependent, beta isoform	1,163848945	10,21828012	6,180094132	0,01229134	0,015428796
hypothetical LOC100503849	1,28352611	5,289346182	6,177163398	0,012310249	0,015441334
carboxypeptidase D	1,420049078	5,079033073	6,172435951	0,012340821	0,015468473
aminoacyl tRNA synthetase complex-interacting multifunctional protein 2	0,995034314	6,539151281	6,170724451	0,012351911	0,01547117
fibronectin type III domain containing 3B	1,139918716	7,984683889	6,166340202	0,01238037	0,015489755
transmembrane protein 219	1,32029942	5,314940997	6,165682616	0,012384645	0,015489755
pyruvate dehydrogenase (lipoamide) beta	1,360191097	6,045473707	6,163704869	0,012397513	0,015494654
RIKEN cDNA 1810013L24 gene	1,272402011	8,085492981	6,161546187	0,012411576	0,015501037
ubiquitin-conjugating enzyme E2K (UBC1 homolog, yeast)	1,241288243	4,77550832	6,158307639	0,012432708	0,015516234
CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associatec	0,994540504	14,56839775	6,151994733	0,012474018	0,015556575
protein arginine N-methyltransferase 2	1,170128376	9,781935971	6,148668875	0,012495845	0,015572576
cleavage and polyadenylation specific factor 6	1,359083228	5,851721568	6,147180313	0,012505629	0,015573557
zinc finger, MYND-type containing 8	1,14665664	10,34536582	6,140115525	0,012552182	0,015620292
DNL-type zinc finger	1,170900333	5,690299864	6,136876824	0,012573589	0,015635247
progesterone receptor membrane component 2	1,210040888	4,895612962	6,134218278	0,012591193	0,015635247
schlafen 10, pseudogene	1,020141558	4,628447381	6,132350261	0,012603579	0,015635247
RWD domain containing 1	1,190394109	6,705940042	6,132259107	0,012604184	0,015635247
R3H domain containing 2	1,070128696	7,028749839	6,131478983	0,012609361	0,015635247
histone aminotransferase 1	1,274363749	11,9138962	6,121161185	0,012678064	0,015709183
fucose-1-phosphate guanylyltransferase	1,000020362	7,001150905	6,113192832	0,012731416	0,015764007
complement component 2 (within H-2S)	1,207352719	4,717292981	6,095835953	0,012848524	0,015897637
heat shock protein 90, alpha (cytosolic), class A member 1	1,250852897	5,32323336	6,093432098	0,01286484	0,015899718
ring finger protein 146	1,37197141	5,337243473	6,092882121	0,012868576	0,015899718
TAF6 RNA polymerase II, TATA box binding protein (TBP)-associated factor	1,205191738	6,478054424	6,086269108	0,012913599	0,015943966
ras homolog gene family, member G	1,07595948	10,58296217	6,079934054	0,012956899	0,015986025
non-catalytic region of tyrosine kinase adaptor protein 2	1,149705104	9,993365583	6,078550108	0,012966381	0,015986329
family with sequence similarity 129, member A	1,282604728	8,666516924	6,072675932	0,013006714	0,016024642
nudix (nucleoside diphosphate linked moiety X)-type motif 18	1,040119017	9,627620717	6,053813413	0,013137202	0,016173895
peptidylprolyl isomerase (cyclophilin)-like 2	1,110210172	6,278301485	6,049724635	0,013165685	0,016197442
nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon	1,155518806	5,921210447	6,047864952	0,013178664	0,016201894
protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpl	1,227620485	8,72750547	6,046382021	0,013189023	0,016203122
tubulin, alpha 1A	1,421750281	10,30460386	6,044682275	0,013200909	0,016206222
RIKEN cDNA 0610007P14 gene	1,100847605	8,522915916	6,041649576	0,013222146	0,01622079
adrenergic receptor, beta 2	1,404798344	5,33722708	6,035505378	0,013265292	0,016256281
leucine rich repeat containing 8 family, member C	1,205737397	6,806958071	6,033535129	0,013279162	0,016256281
5'-3' exoribonuclease 2	1,297452135	5,64019643	6,033522621	0,01327925	0,016256281
ubiquilin 1	0,99405636	6,022937481	6,022501911	0,01335714	0,01633602
ring finger protein 182	1,219435936	5,107636664	6,021638951	0,013363261	0,01633602
predicted gene 14492	1,191761279	4,635135601	6,017450149	0,013393018	0,016358222
zinc finger protein 598	1,366373575	5,288109986	6,016423607	0,013400322	0,016358222
interferon induced with helicase C domain 1	1,204678254	4,718445391	6,009810319	0,013447488	0,016404229
histidine triad nucleotide binding protein 2	1,009379503	9,610260541	6,007040085	0,013467302	0,016412009
RIKEN cDNA 1190005F20 gene	1,035964664	9,246758772	6,006268334	0,013472827	0,016412009
transmembrane BAX inhibitor motif containing 4	1,246267874	12,16205332	6,004708582	0,013484003	0,016414071
TGFB-induced factor homeobox 1	1,21121141	5,802303484	6,001343121	0,013508154	0,016425256
tetratricopeptide repeat domain 9C	1,143798406	7,393720023	6,000784265	0,013512169	0,016425256
mortality factor 4 like 1	1,114579218	11,60607998	5,989225346	0,013595522	0,016504622
inhibitor of kappaB kinase beta	1,18700735	8,546559282	5,989086226	0,013596528	0,016504622
kinesin light chain 2	1,157496604	4,840344217	5,986847391	0,013612742	0,016512724
heparan sulfate (glucosamine) 3-O-sulfotransferase 3B1	1,012744021	6,119650317	5,97463089	0,013701608	0,016608882
CCR4-NOT transcription complex, subunit 6-like	1,268621656	5,469028633	5,969165349	0,01374158	0,016645679
RIKEN cDNA 1700081L11 gene	1,08732729	4,654079761	5,966107719	0,013764001	0,016655918
musculin	1,362680959	4,757617146	5,965389047	0,013769277	0,016655918
enoyl-Coenzyme A delta isomerase 2	1,415237165	8,135613547	5,959189473	0,013814885	0,016699418
solute carrier family 25, member 38	1,119879664	6,577806155	5,956046011	0,013838077	0,016710732
glutaredoxin 2 (thioltransferase)	1,130518187	4,571492104	5,955304644	0,013843553	0,016710732
RIKEN cDNA 1110059E24 gene	1,122014528	7,691694395	5,950965699	0,013875653	0,016737808
churchill domain containing 1	1,287284448	8,300790547	5,946482597	0,013908908	0,01676624
adrenergic receptor kinase, beta 1	1,130663877	5,461838603	5,940887934	0,013950538	0,016804719
RAD23a homolog (S. cerevisiae)	1,321889495	6,24575781	5,921025764	0,014099489	0,016972334
syntaxin binding protein 4	1,068365091	4,989237409	5,917973506	0,01412254	0,016988268
minichromosome maintenance deficient 6 (MIS5 homolog, S. pombe) (S. cerevisiae)	1,023652263	7,443273956	5,91171921	0,014169908	0,017033411
syntaxin 8	1,094098625	10,18229771	5,907481205	0,014202109	0,017060272
chromodomain helicase DNA binding protein 1	1,156688023	6,964101721	5,906036273	0,014213107	0,017061643
bromodomain containing 3	1,030520885	7,873382889	5,904518904	0,014224667	0,017063686
leprecan 1	1,069850714	5,394099799	5,90125643	0,014249558	0,017078798
family with sequence similarity 76, member A	1,183491613	7,813044064	5,90028264	0,014256998	0,017078798
transmembrane protein 63b	1,284674533	7,774029221	5,896850929	0,01428325	0,017098413
THO complex 7 homolog (Drosophila)	1,206527932	6,848877615	5,893821036	0,014306474	0,017103715
ATPase, Ca++-sequestering	1,182724153	5,884238966	5,893334168	0,01431021	0,017103715
mitochondrial ribosomal protein S11	1,074356936	8,123196832	5,891439448	0,014324759	0,017103715
AE binding protein 2	1,083120225	11,34911336	5,890939122	0,014328604	0,017103715

F-box protein 38	1,17743883	8,243204984	5,889836363	0,014337083	0,017103715
cardiolipin synthase 1	1,391492169	5,444134262	5,882915746	0,014390423	0,017155524
BCL2-like 1	1,359187878	5,615737391	5,876011605	0,014443862	0,017207382
5',3'-nucleotidase, cytosolic	1,184672119	10,66384056	5,866322293	0,014519244	0,017278522
dihydrolipoamide branched chain transacylase E2	1,12432777	6,918130271	5,865771725	0,014523541	0,017278522
trinucleotide repeat containing 6a	1,17738716	8,341610895	5,862338272	0,014550371	0,017298552
mitochondrial ribosomal protein L53	1,129622359	8,972591347	5,8602482	0,01456673	0,017306116
son of sevenless homolog 2 (Drosophila)	0,997878815	6,459073819	5,857790616	0,014585994	0,017317116
zinc finger and BTB domain containing 8 opposite strand	1,203669831	9,443914769	5,83685066	0,014751319	0,017501394
expressed sequence AI427809	1,379084154	5,30454767	5,833729533	0,014776145	0,01751884
heat shock protein 90 alpha (cytosolic), class B member 1	1,390519096	8,640832802	5,820925538	0,014878491	0,017628109
TRAF family member-associated Nf-kappa B activator	1,239967161	8,030010823	5,819044599	0,014893594	0,017633934
trans-acting transcription factor 1	1,160025676	5,673315965	5,807452581	0,014987063	0,017732471
amyloid beta (A4) precursor protein-binding, family B, member 2	1,102562711	6,629031373	5,800438335	0,015043946	0,017779681
importin 9	1,061007296	7,675082661	5,800000488	0,015047505	0,017779681
casein kinase 1, gamma 3	1,213214007	7,663440563	5,798228137	0,015061922	0,017784575
dachshund 1 (Drosophila)	1,079433071	4,670392748	5,791703181	0,015115133	0,017835239
cardiotrophin-like cytokine factor 1	1,299057237	4,969502435	5,777737071	0,015229753	0,017958244
ankyrin repeat and SOCS box-containing 1	1,219541311	5,574112275	5,774385726	0,015257405	0,017978603
calcyclin binding protein	1,313826856	5,776898322	5,76382033	0,01534496	0,018069473
glucoside xylosyltransferase 1	1,152291926	5,21686114	5,756978994	0,01540196	0,018124265
chromodomain protein, Y chromosome-like	1,159263131	5,603574933	5,751219546	0,015450135	0,018168604
microtubule-associated protein 1 light chain 3 beta	1,087622706	7,80866239	5,74918738	0,015467175	0,018176293
v-ral simian leukemia viral oncogene homolog B (ras related)	1,109953545	8,761039426	5,746880278	0,015486546	0,01818671
ubiquitin-like domain containing CTD phosphatase 1	1,218776468	7,830896365	5,727403893	0,015651185	0,018359985
Prkr interacting protein 1 (IL11 inducible)	1,048723482	8,172542023	5,726217523	0,015661279	0,018359985
neutrophil cytosolic factor 4	1,045136281	10,98620701	5,72567293	0,015665914	0,018359985
Kruppel-like factor 6	1,210827805	6,938926291	5,724077382	0,015679505	0,01836348
engulfment and cell motility 1, ced-12 homolog (C. elegans)	1,044664266	5,227675883	5,714732548	0,015759378	0,018444545
guanine nucleotide binding protein (G protein), gamma 12	1,31229913	11,14261526	5,712885416	0,01577522	0,018450613
Sec61 beta subunit	1,188336025	10,5454578	5,700944417	0,015878081	0,018558378
transmembrane and coiled-coil domains 3	1,274960918	6,459492596	5,694886263	0,01593056	0,018607152
rcd1 (required for cell differentiation) homolog 1 (S. pombe)	1,264999784	6,156435498	5,692131122	0,015954493	0,018615153
host cell factor C2	1,041432411	5,008662773	5,690416541	0,015969407	0,018615153
TGFB-induced factor homeobox 1	1,14460531	9,094597843	5,690386083	0,015969672	0,018615153
zinc finger protein 292	1,206931444	6,037029856	5,686862355	0,016000374	0,01863839
autophagy-related 10 (yeast)	1,267566858	5,944329017	5,677523256	0,016082074	0,018719624
jumonji domain containing 6	1,044128305	10,65606909	5,676421981	0,01609174	0,018719624
processing of precursor 5, ribonuclease P/MRP family (S. cerevisiae)	1,154022129	9,864302851	5,673594561	0,016116586	0,018735937
paired-Ig-like receptor A6	1,053947776	5,435512838	5,661792534	0,016220772	0,018844401
alcohol dehydrogenase, iron containing, 1	1,321070521	4,996028689	5,660401914	0,016233099	0,018846073
MTERF domain containing 2	1,313604047	6,75175719	5,657179643	0,016261704	0,018858339
hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydra	1,169767185	8,773416922	5,656475362	0,016267964	0,018858339
mitochondrial ribosomal protein S10	1,146785284	7,25791804	5,655532531	0,016276348	0,018858339
nuclear receptor-binding SET-domain protein 1	1,147428699	5,905007159	5,643757709	0,016381477	0,018967449
syntaxin 11	1,068208446	7,71171236	5,639127018	0,016423034	0,018995723
chromatin modifying protein 4B	1,06002055	9,253760136	5,638591905	0,016427844	0,018995723
src-like adaptor	1,242382644	4,979957759	5,635219506	0,016458195	0,019018115
glucose-fructose oxidoreductase domain containing 2	1,015860862	4,746581902	5,632249691	0,016484976	0,019036354
A kinase (PRKA) anchor protein 17B	1,23045535	6,232697036	5,620167695	0,016594446	0,019149991
coiled-coil domain containing 92	1,044565038	4,788954806	5,611538827	0,016673138	0,019227983
translin	1,363368698	7,135716419	5,606106224	0,016722902	0,019272532
small nuclear RNA activating complex, polypeptide 3	1,130687596	6,98770287	5,602829898	0,016752995	0,019294368
cullin associated and neddylation disassociated 1	1,053174111	9,639736394	5,59651913	0,016811136	0,019348456
phosphatidylserine decarboxylase	1,157232282	5,122292527	5,590685952	0,016865083	0,019397647
interleukin 17 receptor D	1,33645243	4,988696609	5,587299717	0,016896491	0,019420867
large tumor suppressor	1,197357641	7,608404155	5,585494875	0,016913259	0,01942724
BUD31 homolog (yeast)	1,088005721	9,142663521	5,575494735	0,01700651	0,019513676
2'-5' oligoadenylate synthetase 2	1,058828595	5,294609381	5,575008898	0,017011056	0,019513676
WD repeat domain containing 82	1,245988025	6,298422246	5,570424118	0,017054019	0,019550004
golgi autoantigen, golgin subfamily a, 4	1,222697019	5,604565259	5,564015291	0,017114284	0,019606105
RIKEN cDNA 1190005F20 gene	1,235966286	6,416635674	5,562211681	0,017131288	0,019612605
tetratricopeptide repeat domain 9C	1,320091571	4,788489606	5,559166516	0,017160041	0,019632538
killer cell lectin-like receptor subfamily B member 1B	1,432301533	5,035076556	5,55430518	0,017206058	0,019672183
tubulin, gamma 2	1,202474491	4,815624001	5,546830116	0,017277092	0,01974036
expressed sequence C78339	1,263851933	7,263922216	5,543039094	0,017313246	0,019755781
glucocorticoid modulatory element binding protein 2	1,229678751	5,64951512	5,54302145	0,017313414	0,019755781
smu-1 suppressor of mec-8 and unc-52 homolog (C. elegans)	1,148991229	9,284022929	5,540868142	0,017333989	0,019761686
exocyst complex component 6B	1,283781319	8,732116726	5,54009087	0,017341422	0,019761686
Bardet-Biedl syndrome 12 (human)	1,236968386	5,383583957	5,535913571	0,017381435	0,019794252
lysine (K)-specific demethylase 4A	1,196310735	5,732549425	5,52759093	0,01746147	0,019872324
polybromo 1	1,349410085	4,972402385	5,52062277	0,017528805	0,019935849
cytochrome c oxidase, subunit VI a, polypeptide 2	1,119355687	5,185302708	5,508469486	0,01764696	0,02005705
spindlin 1	1,2681781	4,787241247	5,505716657	0,017673849	0,020074431
kinesin-associated protein 3	1,031514738	7,204193808	5,494050394	0,017788328	0,020189937
heat shock protein 1A	1,135861773	5,102781274	5,492980446	0,01779887	0,020189937
telomeric repeat binding factor 2, interacting protein	1,307535963	6,740097309	5,489548317	0,017832734	0,020215103
zinc finger protein 322A	1,387613237	5,210855891	5,48336585	0,01789392	0,020261987
mannoside acetylglucosaminyltransferase 4, isoenzyme A	1,437521333	5,070942569	5,483004596	0,017897503	0,020261987
PRP3 pre-mRNA processing factor 3 homolog (yeast)	1,161033387	8,572795233	5,478530745	0,01794194	0,020299019
protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	1,14227226	5,755267848	5,475116893	0,017975934	0,020324195

transmembrane protein 218	1,209453475	5,150436856	5,470415887	0,018022866	0,020349911
sodium channel modifier 1	1,151860828	8,269901629	5,469712718	0,018029898	0,020349911
DnaJ (Hsp40) homolog, subfamily A, member 2	1,352959868	6,144760606	5,468746355	0,018039567	0,020349911
hyaluronan and proteoglycan link protein 4	1,121358437	5,12241579	5,46813338	0,018045704	0,020349911
RIKEN cDNA 1700029G01 gene	1,104704204	7,868026862	5,465524359	0,018071849	0,020366126
methyltransferase like 21A	1,269700063	5,281286625	5,461234374	0,018114934	0,020389358
RIKEN cDNA 4933426M11 gene	1,115580624	7,816718331	5,460043268	0,018126917	0,020389358
homeodomain interacting protein kinase 3	1,364438725	7,190654226	5,459955539	0,0181278	0,020389358
adducin 1 (alpha)	1,119899881	6,931708732	5,454681551	0,018180972	0,020429222
LAS1-like (S. cerevisiae)	1,118924757	4,805324339	5,454099979	0,018186846	0,020429222
mago-nashi homolog, proliferation-associated (Drosophila)	1,040213078	7,783556358	5,450456436	0,018223699	0,020457343
chromodomain helicase DNA binding protein 2	1,11298542	4,76806638	5,447192124	0,018256788	0,020481205
family with sequence similarity 69, member C	1,138515751	4,704900304	5,4317164	0,018414601	0,020641409
acidic (leucine-rich) nuclear phosphoprotein 32 family, member E	1,283172883	7,613110324	5,430853948	0,018423441	0,020641409
transcription factor EB	1,17436391	4,667125838	5,421091385	0,018523854	0,020740486
FAT tumor suppressor homolog 2 (Drosophila)	1,157555974	4,659414328	5,419402138	0,018541293	0,020746592
F-box protein 25	1,114760269	7,773172843	5,402828776	0,018713384	0,020925626
phosphoglycerate mutase family member 5	1,202335515	8,767730599	5,396416089	0,018780462	0,020987076
PDZ and LIM domain 4	1,068615793	11,92396366	5,388177451	0,018867045	0,021070229
LUC7-like 3 (S. cerevisiae)	1,175136268	9,60089921	5,382314822	0,018928936	0,021099263
40S ribosomal protein S6-like	1,197632498	6,455769437	5,382064066	0,018931589	0,021099263
HAUS augmin-like complex, subunit 1	1,205584539	6,277715811	5,381730658	0,018935116	0,021099263
sorting nexin 5	1,348511723	5,831066745	5,381099149	0,018941799	0,021099263
guanine nucleotide binding protein (G protein), beta polypeptide 1-like	1,261044837	6,920643369	5,374762615	0,019009008	0,021156532
EGF-like repeats and discoidin I-like domains 3	1,456891288	4,963471778	5,373949076	0,019017656	0,021156532
coatomer protein complex, subunit epsilon	1,25105677	8,457159644	5,369650144	0,019063433	0,021190907
ubiquitin carboxyl-terminal esterase L5	1,025118981	9,494734605	5,368749397	0,01907304	0,021190907
TGF-beta activated kinase 1/MAP3K7 binding protein 2	1,066054712	8,961108238	5,3497842	0,019276619	0,021403353
A kinase (PRKA) anchor protein 17B	1,209093608	6,369057503	5,338852802	0,019395091	0,021521092
protein tyrosine phosphatase, non-receptor type 9	1,25113212	4,674761868	5,331678992	0,019473294	0,021594024
predicted gene 166	1,10154112	4,937630411	5,329972873	0,019491946	0,021600869
sodium channel modifier 1	1,022831492	4,938322237	5,322097788	0,019578304	0,02168269
polymerase (DNA-directed), delta 4	1,154347779	8,745850793	5,317625442	0,019627543	0,021723323
Rho GTPase activating protein 22	1,113529787	8,393964508	5,306692229	0,019748514	0,021843244
centrosomal protein 120	1,088599546	9,587969221	5,301826287	0,019802628	0,021884365
ubiquitin-conjugating enzyme E2K (UBC1 homolog, yeast)	1,172206103	10,78240526	5,301076931	0,019810977	0,021884365
tachykinin receptor 1	1,147239096	4,689761215	5,299328306	0,019830474	0,021891933
centrosomal protein 120	1,325464237	5,887489287	5,294161018	0,019888218	0,021941686
spastin	1,241849743	7,923829468	5,287904632	0,019958392	0,022004401
eukaryotic translation elongation factor 1 epsilon 1	1,319880467	8,435711738	5,286828775	0,019970488	0,022004401
RIKEN cDNA 1810063B05 gene	1,030084305	9,054722615	5,281607102	0,020029314	0,022055179
small nuclear ribonucleoprotein 35 (U11/U12)	1,302166551	8,318923274	5,273444616	0,020121669	0,02214279
tetratricopeptide repeat domain 7	1,219968212	5,56123427	5,269399796	0,020167615	0,022179251
mediator of RNA polymerase II transcription, subunit 28 homolog (yeast)	1,254797071	10,39399204	5,26263026	0,020244782	0,022249979
transformation related protein 53 binding protein 1	1,131917888	4,918361951	5,245812587	0,020437958	0,022448036
colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	1,089487947	6,512132972	5,240533293	0,020499034	0,022500842
Wolf-Hirschhorn syndrome candidate 1 (human)	1,099789834	5,581695747	5,228191963	0,020642628	0,022633252
BCL2-interacting killer	1,233798733	4,961959886	5,227919254	0,020645814	0,022633252
RIKEN cDNA 4930455F23 gene	1,148045719	7,195204977	5,22638722	0,020663723	0,022638547
CCR4-NOT transcription complex, subunit 4	1,095905718	5,76144275	5,223239041	0,020700581	0,022664583
adenylate kinase 2	1,13505603	6,583575579	5,221771189	0,020717791	0,022669088
zinc finger protein 703	1,328322903	6,537156883	5,215939251	0,020786334	0,02271652
ST3 beta-galactoside alpha-2,3-sialyltransferase 6	1,291752217	4,792282853	5,214764538	0,020800171	0,02271652
ubiquitin B	1,164276808	14,80014844	5,213424585	0,020815969	0,02271652
CLK4-associating serine/arginine rich protein	1,271547694	7,272702397	5,212522185	0,020826615	0,02271652
FK506 binding protein-like	1,404302706	5,860434325	5,212510125	0,020826757	0,02271652
actin related protein 2/3 complex, subunit 2	1,223798787	10,91784545	5,198472153	0,020993184	0,022883628
cysteine conjugate-beta lyase 2	1,147167958	5,005711399	5,196110278	0,021021335	0,022899893
RAB6, member RAS oncogene family	1,135942158	8,080467387	5,178925314	0,021227468	0,023109903
coiled-coil domain containing 94	1,04904641	6,002609931	5,175275651	0,021271543	0,023139087
basic helix-loop-helix domain containing, class B9	1,105494848	5,370249288	5,174492913	0,021281009	0,023139087
melanoma antigen, family B, 3	1,036860226	4,57551605	5,169599347	0,021340302	0,023188991
MAP7 domain containing 2	1,340535462	4,846232442	5,165448339	0,021390746	0,023229223
bobby sox homolog (Drosophila)	1,256246134	5,445890731	5,15870219	0,021473018	0,023291901
eukaryotic translation initiation factor 3, subunit A	1,101892596	8,722585041	5,157588113	0,02148664	0,023291901
cytochrome b5 reductase 3	1,083733521	5,810477012	5,157409031	0,02148883	0,023291901
amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 4	1,10881439	6,229998864	5,151939944	0,021555851	0,023349924
cytohesin 1 interacting protein	1,237991769	14,36532597	5,148214898	0,021601637	0,023384887
protein phosphatase 3, regulatory subunit B, alpha isoform (calcineurin B, type I)	1,041974333	11,09343935	5,145367526	0,02163671	0,023408216
family with sequence similarity 164, member A	1,230692493	7,288483844	5,141663113	0,021682438	0,023438185
MAD homolog 1 (Drosophila)	1,259709254	7,759815262	5,140930767	0,021691492	0,023438185
translocase of outer mitochondrial membrane 7 homolog (yeast)	1,071622024	10,16138878	5,134254025	0,02177423	0,023512909
SMT3 suppressor of mif two 3 homolog 1 (yeast)	1,121259639	10,08411472	5,125676784	0,021881052	0,023613529
potassium voltage-gated channel, subfamily Q, member 1	1,090265599	4,646570303	5,123080999	0,021913498	0,02363381
proteasome (prosome, macropain) subunit, alpha type 3	1,168023954	10,91127815	5,118839796	0,02196663	0,023676362
golgi membrane protein 1	1,196312277	8,802368734	5,108687584	0,022094415	0,023799273
SAP30-like	1,188303105	6,211073532	5,105541353	0,022134189	0,023819017
polynucleotide kinase 3'- phosphatase	1,275888494	10,33458298	5,104858766	0,022142829	0,023819017
ubiquitin-conjugating enzyme E2H	1,0998422	5,31113701	5,103974687	0,022154025	0,023819017
predicted gene 12693	1,163686509	8,812270908	5,092405417	0,022301141	0,023934018
RIKEN cDNA 2610002J02 gene	1,040244753	8,62790854	5,091727278	0,022309799	0,023934018

RIKEN cDNA 2810001G20 gene	1,13188906	5,445336664	5,091494926	0,022312766	0,023934018
eukaryotic translation initiation factor 4E member 3	1,08204997	5,292297498	5,091218699	0,022316294	0,023934018
zinc finger protein 292	1,111316745	7,571198827	5,089612054	0,022336829	0,023941208
ADP-ribosylation factor-like 8A	1,144110033	11,1945537	5,077416819	0,022493405	0,024080524
syntaxin 11	1,075760366	11,89144719	5,07701474	0,022498589	0,024080524
golgi SNAP receptor complex member 2	1,164756271	8,131387445	5,076242974	0,022508543	0,024080524
YME1-like 1 (S. cerevisiae)	1,1976526	7,378367522	5,074332101	0,022533209	0,024092023
biorientation of chromosomes in cell division 1-like	1,161855063	5,319645082	5,07046567	0,022583215	0,024130583
APAF1 interacting protein	1,29939233	4,971094231	5,062685073	0,022684229	0,024212376
signal transducer and activator of transcription 6	1,223238695	7,626807962	5,062415553	0,022687738	0,024212376
C-terminal binding protein 2	1,344648431	5,989478857	5,056788749	0,022761126	0,024275729
cytochrome c, somatic	1,470582613	5,163532979	5,055318102	0,022780352	0,024279119
integrator complex subunit 3	1,064442728	6,414554677	5,054400593	0,022792356	0,024279119
RAS, dexamethasone-induced 1	1,103461268	4,762068409	5,051770403	0,022826808	0,024300863
expressed sequence AA960436	1,381502427	4,984888924	5,040085652	0,022980585	0,024449535
mitochondrial translational release factor 1	1,310891535	5,949128002	5,032073425	0,023086718	0,024547364
DCN1, defective in cullin neddylation 1, domain containing 1 (S. cerevisiae)	1,235591894	6,904662877	5,028174027	0,023138573	0,024586512
RIKEN cDNA 3110003A17 gene	1,101609069	4,768002617	5,027170202	0,023151944	0,024586512
RIKEN cDNA 6330503K22 gene	1,207578805	5,629676158	5,018722274	0,023264822	0,024691236
DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 3, X-linked	1,37609706	6,489042253	4,964565895	0,024003608	0,025459709
forkhead box J3	1,14581246	8,28420868	4,953606503	0,024156366	0,025606043
dynein, axonemal, light chain 1	1,183125764	4,789682172	4,950942909	0,02419366	0,025629881
methylcrotonoyl-Coenzyme A carboxylase 1 (alpha)	1,328268268	5,164759158	4,949472919	0,024214271	0,025636026
TBC1 domain family, member 9B	1,122700278	4,729164724	4,937198316	0,02438716	0,025803285
proteasome (prosome, macropain) 26S subunit, non-ATPase, 12	1,309500164	5,953669321	4,936142474	0,024402098	0,025803318
centrosomal protein 350	1,071995237	4,8000757	4,934744443	0,024421893	0,025808484
glutathione S-transferase, mu 5	1,179604148	6,837964651	4,931890914	0,024462354	0,025834473
EF hand domain family A1	1,208747796	9,709079811	4,930906155	0,024476335	0,025834473
alanine-glyoxylate aminotransferase 2-like 2	1,273214235	5,02392067	4,927071219	0,024530868	0,025876254
aldo-keto reductase family 1, member D1	1,061642539	4,556381575	4,92077695	0,024620675	0,025935293
platelet-activating factor acetylhydrolase, isoform 1b, subunit 1	1,062442824	9,450944452	4,920618711	0,024622938	0,025935293
tumor protein D52-like 2	1,190446701	8,427999729	4,920000065	0,024631786	0,025935293
smu-1 suppressor of mec-8 and unc-52 homolog (C. elegans)	1,227941168	5,754605733	4,915184576	0,024700784	0,025992132
transcription factor 20	1,189122291	4,977198187	4,909763037	0,024778732	0,026058314
brain and reproductive organ-expressed protein	1,090393218	8,096782199	4,90801072	0,024803986	0,026069034
leucine carboxyl methyltransferase 1	1,163329302	8,720027677	4,903083392	0,024875156	0,02612797
muscleblind-like 2	1,142474007	8,363662752	4,892015826	0,02503587	0,026280832
AT rich interactive domain 4A (RBP1-like)	1,171811561	6,514909761	4,889716367	0,02506941	0,02630009
G kinase anchoring protein 1	1,237871462	7,921857197	4,880528929	0,025203934	0,026425203
RIKEN cDNA 4631423B10 gene	1,185687925	6,160400129	4,876353103	0,025265351	0,026473561
IGF-like family member 3	1,083879324	4,646683689	4,853862804	0,025599096	0,026807039
zinc finger, SWIM domain containing 5	1,171982691	4,733659019	4,850658432	0,025647058	0,026841026
histidine triad nucleotide binding protein 3	1,169813444	9,253030656	4,847288815	0,025697604	0,026864414
nemo like kinase	1,15439627	7,974907736	4,846168894	0,025714429	0,026864414
chromatin accessibility complex 1	1,115302389	9,431586656	4,846066763	0,025715964	0,026864414
HCLS1 associated X-1	1,170213489	10,65566355	4,842857861	0,025764245	0,026898618
mitochondrial ribosomal protein L47	1,241466274	4,968542785	4,840079153	0,025806137	0,02692369
Scm-like with four mbt domains 1	1,21151474	5,493961712	4,839202666	0,025819368	0,02692369
polymerase (RNA) III (DNA directed) polypeptide G	1,069163729	4,69349766	4,830879553	0,025945391	0,027038815
CD5 antigen	1,270625456	4,681535819	4,828430726	0,025982603	0,027045234
engulfment and cell motility 1, ced-12 homolog (C. elegans)	1,314825439	5,677421388	4,828417912	0,025982798	0,027045234
tetratricopeptide repeat domain 9C	1,145322016	9,847418766	4,826259358	0,026015651	0,027063156
RIKEN cDNA 6030458C11 gene	1,344622081	4,937274529	4,821699673	0,026085205	0,027119213
RIKEN cDNA A430107P09 gene	1,106496118	4,549987492	4,818658649	0,026131712	0,027151257
exocyst complex component 4	1,104192684	6,577821427	4,810555133	0,026256105	0,027264138
zinc finger, BED domain containing 4	1,23904527	6,66810243	4,799877845	0,026421045	0,027406649
PRAME family member 8	1,252081428	8,010430258	4,79916832	0,026432048	0,027406649
aminoacyl tRNA synthetase complex-interacting multifunctional protein 2	1,067036984	7,36449889	4,798601252	0,026440845	0,027406649
predicted gene 14439	1,27480385	6,050427821	4,791983142	0,026543765	0,027496863
nudix (nucleoside diphosphate linked moiety X)-type motif 1	1,192145203	6,375225605	4,783930789	0,026669609	0,027610702
RIKEN cDNA E030030I06 gene	1,090794928	5,02615447	4,782790393	0,026687487	0,027612696
aquarius	1,151710451	7,114578124	4,775501141	0,026802083	0,027708024
predicted gene 9897	1,222908774	7,182096812	4,774895157	0,026811635	0,027708024
acyl-CoA thioesterase 8	1,220389458	4,784333598	4,773362827	0,026835807	0,027713864
RNA binding protein gene with multiple splicing	1,205529294	7,717401716	4,772057592	0,026856416	0,027713864
histocompatibility 2, class II antigen E beta2	1,215858992	6,14206008	4,771494278	0,026865317	0,027713864
Smad nuclear interacting protein 1	1,067743149	7,058436037	4,753961562	0,027144025	0,027984697
protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), alpha isoform	1,219738697	5,002656973	4,743054911	0,027319074	0,02814399
bone marrow stromal cell antigen 2	1,301811148	9,626290273	4,74231169	0,02733105	0,02814399
pancreatic progenitor cell differentiation and proliferation factor homolog (zebrafish)RIKEN cDNA 2	1,096706449	9,317878131	4,730894729	0,027515771	0,02831736
RIKEN cDNA 1200016B10 gene	1,08530918	6,803527431	4,725224251	0,027608049	0,028395444
N-myc downstream regulated gene 2	1,343949971	5,436015285	4,72154321	0,027668141	0,028440352
YY1 associated factor 2	1,171128821	5,468710087	4,713870782	0,027793876	0,02855264
interferon-related developmental regulator 1	1,177478933	5,130913688	4,708670702	0,027879467	0,02862358
RIKEN cDNA 1810055G02 gene	1,161616534	7,86699366	4,704774208	0,027943799	0,028672624
family with sequence similarity 131, member A	1,134801964	7,64362424	4,694542637	0,028113538	0,0288297
asparagine-linked glycosylation 9 homolog (yeast, alpha 1,2 mannosyltransferase)	1,083570052	5,684741764	4,69267709	0,028144614	0,028838476
protein arginine N-methyltransferase 2	1,077355529	10,31801607	4,692029204	0,028155415	0,028838476
deoxythymidylate kinase	1,104435164	6,975250338	4,681017541	0,028339733	0,029010099
forkhead box N3	1,314363789	6,358570851	4,664896775	0,028612069	0,029271567
acyl-Coenzyme A dehydrogenase, short/branched chain	1,364444573	7,35157977	4,658767006	0,028716409	0,029360959

glycosyltransferase 8 domain containing 1	1,248389457	6,867833611	4,647210052	0,028914318	0,029545859
AT rich interactive domain 3A (BRIGHT-like)	1,204271934	6,895847097	4,627646455	0,029252915	0,029870753
NEDD4 binding protein 2-like 2	1,118110834	10,08265322	4,626850877	0,02926678	0,029870753
inositol monophosphatase domain containing 1	1,155079995	6,472588735	4,623434967	0,029326399	0,029913964
casein kinase 1, delta	1,13929768	10,45064363	4,597969586	0,029775265	0,030342656
kinesin family member 1B	1,220154802	8,963409314	4,597606098	0,029781729	0,030342656
protein phosphatase 1, regulatory (inhibitor) subunit 11	1,166528654	9,995068576	4,595831391	0,029813311	0,030356966
zinc finger with KRAB and SCAN domains 6	1,145381097	7,94120335	4,591341815	0,029893378	0,030410002
methionine sulfoxide reductase B3	1,164640372	4,703134767	4,59094127	0,029900533	0,030410002
neutrophil cytosolic factor 1	1,115133507	8,48650504	4,585677474	0,029994748	0,03047457
ubiquitin-conjugating enzyme E2Q (putative) 1	1,156099008	10,77284352	4,585427544	0,02999923	0,03047457
serine/arginine-rich splicing factor 11	1,195244033	7,675079356	4,581039581	0,030078042	0,03053671
expressed sequence AI597479	1,144831603	6,816944154	4,568505329	0,030304481	0,030748568
REV3-like, catalytic subunit of DNA polymerase zeta RAD54 like (S. cerevisiae)	1,210931127	6,131881471	4,565048327	0,030367277	0,030794234
14-3-3 protein theta-like	1,080561755	8,758623092	4,557833703	0,030498812	0,03090951
cDNA sequence BC031181	1,162023196	10,46793948	4,552841079	0,030590218	0,030984007
CNDP dipeptidase 2 (metallopeptidase M20 family)	1,162245662	5,56654915	4,542503304	0,030780485	0,031158491
mitogen-activated protein kinase kinase kinase 7	1,26545289	5,187132413	4,541455984	0,030799837	0,031159858
cyclin D-type binding-protein 1	1,174085525	8,774720449	4,53467972	0,030925381	0,031268595
neuralized homolog 1A (Drosophila)	1,124352594	5,027384421	4,502588654	0,031527962	0,031859254
mannose-6-phosphate receptor, cation dependent	1,180346836	12,20952554	4,500454887	0,031568503	0,03188161
zinc finger, CCHC domain containing 3	1,110910437	5,185349563	4,473905425	0,032077971	0,032377241
HAUS augmin-like complex, subunit 6	1,09483676	6,358801905	4,458085462	0,032386027	0,032669122
transmembrane protein 106B	1,220067493	5,907588385	4,435571349	0,032830303	0,033097994
zinc finger, CCHC domain containing 6	1,093261484	10,13107131	4,413869641	0,033265176	0,033516891
ROD1 regulator of differentiation 1 (S. pombe)	1,21568351	6,637648502	4,405235785	0,03344002	0,033673458
open reading frame 19	1,251234489	5,027887384	4,398150793	0,033584286	0,033799069
myeloid/lymphoid or mixed-lineage leukemia 5	1,198798358	7,861313905	4,391383743	0,033722745	0,033912137
atlastin GTPase 3	1,215192158	8,145916812	4,390746487	0,033735817	0,033912137
CUGBP, Elav-like family member 2	1,178669416	7,666473144	4,319535435	0,035233906	0,0353975
zinc finger, CCHC domain containing 9	1,200088412	7,62475338	4,317473702	0,035278403	0,035421644
ring finger protein 14	1,188418474	5,892126942	4,303011919	0,035592333	0,035716133
AMME chromosomal region gene 1-like	1,162245446	7,450124037	4,299132427	0,035677092	0,035776689
StAR-related lipid transfer (START) domain containing 4	1,263580395	6,781913793	4,298359027	0,035694017	0,035776689
chaperonin containing Tcp1, subunit 8 (theta)	1,164359893	9,941738177	4,294694671	0,035774331	0,035836439
TAF12 RNA polymerase II, TATA box binding protein (TBP)-associated factor	1,169642129	8,572392953	4,287335352	0,035936258	0,035977827
nuclear apoptosis inducing factor 1	1,208880934	5,114528872	4,285866835	0,03596867	0,035989462
DEAH (Asp-Glu-Ala-His) box polypeptide 15	1,186893625	10,19338411	4,282498381	0,036043144	0,036043144

Panel 6: Genes significantly down-regulated in *Aggregatibacter actinomycetemcomitans* treated DCs (FDR < 0.05), but not regulated in response to *Porphyromonas gingivalis* challenge.

Name	FC Pg	AveExpr	F	P.Value	adj.P.Val
docking protein 2	0,851203797	7,390419972	376,1898443	1,19E-12	2,08E-09
arachidonate 5-lipoxygenase activating protein	1,020990118	11,26160825	315,2243229	3,87E-12	2,96E-09
arachidonate 5-lipoxygenase activating protein	1,054407396	10,90319424	302,792387	5,06E-12	2,96E-09
allograft inflammatory factor 1	0,76298252	8,477464752	257,4167896	1,49E-11	6,53E-09
dynein, axonemal, heavy chain 2	0,738364719	8,523050523	207,9680172	6,12E-11	2,14E-08
dynein, axonemal, heavy chain 2	0,855758501	10,3101803	187,7652552	1,20E-10	3,50E-08
cellular repressor of E1A-stimulated genes 1	0,785160073	10,34678304	174,0223407	1,98E-10	4,95E-08
neuropilin 1	0,802733905	8,524164903	161,5165313	3,22E-10	7,06E-08
Fas (TNF receptor superfamily member 6)	0,797761319	9,466081363	157,4572771	3,80E-10	7,41E-08
a disintegrin and metallopeptidase domain 23	0,765453925	9,826525373	152,1082765	4,77E-10	8,12E-08
protein kinase C, beta	0,934112301	9,448162839	149,0834317	5,43E-10	8,12E-08
Fas (TNF receptor superfamily member 6)	0,808293051	10,77588372	148,561433	5,56E-10	8,12E-08
3'-phosphoadenosine 5'-phosphosulfate synthase 2	0,775491917	10,36850258	137,3231894	9,27E-10	1,25E-07
protein kinase C, beta	1,050173408	6,933286158	127,7618265	1,48E-09	1,85E-07
allograft inflammatory factor 1	0,859985163	7,569024119	124,0326343	1,79E-09	2,10E-07
toll-like receptor 13	0,827364467	8,068428572	121,3965873	2,06E-09	2,26E-07
predicted gene 4980	0,72146373	6,345752393	119,8561318	2,24E-09	2,31E-07
apolipoprotein L 7c pseudogene	1,011074375	6,582408654	117,5093048	2,54E-09	2,47E-07
amiloride binding protein 1 (amine oxidase, copper-containing)	0,734106406	7,771562519	115,6841342	2,81E-09	2,59E-07
RAS-like, estrogen-regulated, growth-inhibitor	1,185627089	7,910137795	114,791255	2,95E-09	2,59E-07
amylo-1,6-glucosidase, 4-alpha-glucanotransferase	0,835395542	8,277106783	111,3388587	3,59E-09	2,80E-07
tubulin, beta 2B	0,769556704	10,44737369	109,7529461	3,94E-09	2,80E-07
protein kinase C, beta	0,955190837	7,78067746	109,4485044	4,01E-09	2,80E-07
interleukin 18 receptor 1	0,83470063	7,820882774	109,4353031	4,02E-09	2,80E-07
BCL2-like 14 (apoptosis facilitator)	0,722404091	7,157051408	108,7940008	4,17E-09	2,80E-07
receptor accessory protein 1	1,021924698	8,277472804	108,3782796	4,27E-09	2,80E-07
tetratricopeptide repeat domain 39A	0,83315608	7,754576735	108,2369389	4,31E-09	2,80E-07
DDHD domain containing 1	0,851643988	8,172780921	104,8051842	5,30E-09	3,32E-07
lipoprotein lipase	0,824343144	13,3962428	102,9714779	5,93E-09	3,58E-07
argininosuccinate synthetase 1	1,140207164	10,86141346	100,5118844	6,92E-09	4,04E-07
lymphocyte antigen 9	1,186324777	9,501099904	98,15857342	8,05E-09	4,55E-07
FXYD domain-containing ion transport regulator 2	1,001041602	7,895390695	96,51229686	8,96E-09	4,89E-07
coiled-coil-helix-coiled-coil-helix domain containing 10	0,845257601	11,02368454	96,09735489	9,21E-09	4,89E-07
U6 small nuclear RNA	0,687588379	10,508383	95,22310392	9,77E-09	5,03E-07
transferrin receptor	1,295344452	8,248761244	89,79120725	1,42E-08	7,10E-07
docking protein 3	0,814637793	9,197093803	89,01949124	1,50E-08	7,20E-07
C-type lectin domain family 4, member a3	0,76870692	8,585605147	88,81407493	1,52E-08	7,20E-07
glycogenin	0,993871302	9,311887698	86,49520526	1,80E-08	8,10E-07
BTB (POZ) domain containing 11	0,756884587	5,768601648	86,44658662	1,80E-08	8,10E-07

myelin-associated glycoprotein	0,905726361	7,305733762	84,37509831	2,10E-08	9,21E-07
potassium channel, subfamily K, member 13	0,810313552	9,24374034	82,47498754	2,43E-08	1,04E-06
grancalcin	0,812477373	7,048730229	80,21772502	2,89E-08	1,21E-06
solute carrier family 48 (heme transporter), member 1	1,071241354	10,27728224	78,84834025	3,22E-08	1,29E-06
interferon gamma inducible protein 30	0,760627276	9,520939867	78,81349291	3,23E-08	1,29E-06
aminolevulinic acid synthase 1	1,179446057	13,04808843	77,94829159	3,46E-08	1,35E-06
colony stimulating factor 1 receptor	0,774450853	9,079677032	77,0709853	3,71E-08	1,41E-06
neuropilin 1	0,859587437	8,506920572	75,15212087	4,35E-08	1,59E-06
microsomal glutathione S-transferase 1	1,268251545	9,966886968	75,1161288	4,36E-08	1,59E-06
sortilin 1	0,96053715	10,28885274	73,64680534	4,93E-08	1,76E-06
solute carrier family 4 (anion exchanger), member 8	0,80847017	6,002511762	72,56030277	5,41E-08	1,90E-06
glycine C-acetyltransferase (2-amino-3-ketobutyrate-coenzyme A ligase)	0,957555894	7,371706114	70,87411437	6,26E-08	2,15E-06
DnaJ (Hsp40) homolog, subfamily C, member 15	0,741689394	10,41290483	70,52744607	6,46E-08	2,18E-06
stearoyl-Coenzyme A desaturase 1	0,778817848	9,284624334	68,99150264	7,40E-08	2,45E-06
sortilin 1	0,969678888	10,55334866	68,6882354	7,61E-08	2,47E-06
cDNA sequence BC028528	0,956015822	9,982568803	68,48254092	7,75E-08	2,47E-06
synaptopodin	0,763621317	6,805916958	66,21778217	9,54E-08	2,99E-06
nucleoredoxin	0,808229473	7,787538949	65,66668363	1,00E-07	3,09E-06
claudin 10	0,876158191	9,809506488	63,27631585	1,26E-07	3,69E-06
allograft inflammatory factor 1-like	0,80363624	6,304024194	63,24882212	1,27E-07	3,69E-06
lysozyme 2	0,818953341	14,3136693	63,12109855	1,28E-07	3,69E-06
RIKEN cDNA 9430038I01 gene	0,760717746	7,169853052	63,00532815	1,30E-07	3,69E-06
ubiquitin-conjugating enzyme E2 Q2-like	0,828340349	6,488308399	62,94510328	1,30E-07	3,69E-06
ecotropic viral integration site 2a	0,78290355	10,26851716	61,53123137	1,50E-07	4,17E-06
peptidylprolyl isomerase C	1,121127648	8,163783586	60,56446953	1,65E-07	4,53E-06
cDNA sequence BC028528	1,120812397	8,273458576	58,88331234	1,96E-07	5,29E-06
G1 to S phase transition 2	0,754887093	6,785613435	57,97802215	2,16E-07	5,73E-06
amylo-1,6-glucosidase, 4-alpha-glucanotransferase	0,828370468	7,509445244	56,92281042	2,41E-07	6,31E-06
hydrogen voltage-gated channel 1	1,121168652	10,33180665	56,77456894	2,45E-07	6,32E-06
interferon gamma inducible protein 30	0,760307323	10,95994566	56,29430715	2,58E-07	6,56E-06
fatty acid desaturase 1	0,892771902	11,09526112	55,1020831	2,94E-07	7,36E-06
ribosomal protein L3-like	1,024015606	8,951233702	54,84877248	3,02E-07	7,47E-06
fibrosin-like 1	0,875015487	11,07419723	54,38594136	3,18E-07	7,74E-06
tropomodulin 2	0,734967801	6,692063032	54,27862144	3,22E-07	7,74E-06
tetratricopeptide repeat domain 3	0,826041195	8,982028841	53,38810965	3,56E-07	8,36E-06
ERO1-like beta (S. cerevisiae)	0,775659102	7,930399321	53,34727082	3,58E-07	8,36E-06
oligonucleotide/oligosaccharide-binding fold containing 2A	0,892115973	7,980224178	52,95841671	3,74E-07	8,54E-06
colony stimulating factor 1 receptor	0,92832173	6,479990888	52,93036617	3,75E-07	8,54E-06
solute carrier family 25 (mitochondrial carrier, dicarboxylate transporter), member 10	0,842780014	7,8370523	52,50365679	3,94E-07	8,85E-06
phosphatidic acid phosphatase type 2C	0,824043354	9,855186619	52,21225997	4,07E-07	9,04E-06
acetyl-Coenzyme A carboxylase alpha	0,873697666	8,126383541	52,00606633	4,17E-07	9,14E-06
PQ loop repeat containing 1	0,77266901	8,440502265	51,47820811	4,44E-07	9,60E-06
RIKEN cDNA 2810025M15 gene	0,72304774	8,840085755	51,23838141	4,56E-07	9,64E-06
embigin	1,065577283	10,97708489	51,18633303	4,59E-07	9,64E-06
toll-like receptor 7	0,621535619	7,305973023	51,13389066	4,62E-07	9,64E-06
transmembrane protein 41a	0,759325453	6,774033984	50,88320534	4,76E-07	9,81E-06
ATP-binding cassette, sub-family B (MDR/TAP), member 6	1,165519212	5,570827029	50,71329599	4,85E-07	9,89E-06
colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)	0,775869806	9,552755534	49,90489347	5,34E-07	1,08E-05
tetraspanin 3	1,31515764	11,1113674	49,51869283	5,60E-07	1,12E-05
lysophosphatidic acid receptor 3	0,738335843	5,454874094	48,56463193	6,29E-07	1,24E-05
START domain containing 7	0,797602552	9,357612096	47,49950723	7,18E-07	1,40E-05
Gem-interacting protein	0,743037902	7,597150769	47,37681134	7,29E-07	1,40E-05
synaptophysin-like protein	0,829063654	9,44482662	47,12049575	7,53E-07	1,44E-05
claudin 10	0,818716596	7,155772333	46,99655734	7,65E-07	1,44E-05
cDNA sequence AB124611	0,649539346	6,148032022	46,7830188	7,86E-07	1,45E-05
importin 13	0,972876859	9,218717438	46,72514582	7,92E-07	1,45E-05
DNA-damage regulated autophagy modulator 1	1,030811487	9,488742342	46,68540508	7,96E-07	1,45E-05
phospholipid scramblase 4	0,786983475	5,704130777	46,3191117	8,34E-07	1,50E-05
apolipoprotein L 7c	1,221428173	11,77837867	46,29367485	8,37E-07	1,50E-05
prostaglandin I receptor (IP)	0,769396115	7,20760505	46,07229768	8,61E-07	1,52E-05
family with sequence similarity 98, member C	0,777272425	9,888035932	45,79102567	8,93E-07	1,57E-05
galactose-3-O-sulfotransferase 2	1,141003026	7,870816139	45,64254956	9,10E-07	1,58E-05
hydrogen voltage-gated channel 1	0,97877551	10,77757132	45,06944769	9,81E-07	1,69E-05
RIKEN cDNA 2510009E07 gene	0,66345507	9,276546244	44,75286519	1,02E-06	1,74E-05
FYVE, RhoGEF and PH domain containing 2	0,958077925	6,195992271	43,78449122	1,16E-06	1,96E-05
non-metastatic cells 1, protein (NM23A) expressed in	0,917426002	11,52631594	43,35161051	1,23E-06	2,06E-05
RIKEN cDNA 2310035K24 gene	0,805689371	8,049038815	43,24165289	1,25E-06	2,07E-05
tetratricopeptide repeat domain 3	0,795908504	9,19007804	42,2079618	1,44E-06	2,37E-05
C-type lectin domain family 7, member a	0,683288338	9,352555201	42,08816822	1,47E-06	2,37E-05
ribonuclease, RNase A family 4	1,145091268	5,906894595	41,9908178	1,49E-06	2,37E-05
DnaJ (Hsp40) homolog, subfamily C, member 10	1,290249271	6,050064971	41,95861005	1,50E-06	2,37E-05
phosphogluconate dehydrogenase	1,157516063	12,29164985	41,93964062	1,50E-06	2,37E-05
lipase, family member N	0,919413996	6,616090447	41,87415817	1,51E-06	2,37E-05
a disintegrin and metallopeptidase domain 23	0,677914201	5,96924949	41,74616284	1,54E-06	2,39E-05
Rho guanine nucleotide exchange factor (GEF) 3	0,898173848	9,850723742	41,63285077	1,56E-06	2,39E-05
stromal cell-derived factor 2-like 1	0,824911137	8,394542943	41,61625098	1,57E-06	2,39E-05
solute carrier family 25 (mitochondrial carrier, palmitoylcarnitine transporter), member 29	0,838023663	5,638713331	41,43136009	1,61E-06	2,43E-05
hydroxysteroid (17-beta) dehydrogenase 4	0,772860142	11,59738908	41,17283399	1,67E-06	2,50E-05
abhydrolase domain containing 12	0,787350207	6,950750164	40,69411883	1,79E-06	2,63E-05
FXYD domain-containing ion transport regulator 2	0,992139587	7,250599219	40,67122857	1,79E-06	2,63E-05
RIKEN cDNA 2510009E07 gene	0,682749769	7,313377904	40,65264107	1,80E-06	2,63E-05

poly(A) polymerase gamma	0,938437607	8,618570359	40,32844385	1,88E-06	2,73E-05
spermatid perinuclear RNA binding protein	0,746350695	6,216158511	40,23640992	1,91E-06	2,74E-05
RIKEN cDNA 0910001L09 gene	1,112689344	11,20746955	40,12601392	1,94E-06	2,77E-05
grancalcin	0,740119819	6,621085967	39,97254907	1,98E-06	2,81E-05
adenosine kinase	0,745362931	6,271709024	39,85395197	2,02E-06	2,83E-05
Rho guanine nucleotide exchange factor (GEF) 4	0,790465183	6,051628344	39,58217251	2,10E-06	2,92E-05
vaccinia related kinase 2	0,841816661	7,41928932	39,54578538	2,11E-06	2,92E-05
tetratricopeptide repeat domain 3	0,895036471	10,01414354	39,44470177	2,14E-06	2,94E-05
1-acylglycerol-3-phosphate O-acyltransferase 4 (lysophosphatidic acid acyltransferase, delta)	1,256700876	8,04096607	39,04310721	2,28E-06	3,09E-05
BCL2-like 14 (apoptosis facilitator)	0,947861041	6,353742029	38,79659736	2,36E-06	3,18E-05
ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	0,815814935	6,32382047	38,71427908	2,39E-06	3,20E-05
sorbitol dehydrogenase	0,999315852	5,534606902	38,39221483	2,51E-06	3,33E-05
transaldolase 1	0,894310868	12,69510638	37,83185174	2,73E-06	3,60E-05
aryl-hydrocarbon receptor repressor	1,107589552	7,725699108	37,69257905	2,79E-06	3,64E-05
histocompatibility 2, class II antigen E beta2	1,31480562	7,304406739	37,58549667	2,84E-06	3,64E-05
neuron navigator 1	0,824338846	9,091404252	37,57016821	2,84E-06	3,64E-05
solute carrier family 22 (organic cation transporter), member 18	1,066914256	6,221663263	37,5622051	2,85E-06	3,64E-05
3'-phosphoadenosine 5'-phosphosulfate synthase 2	0,851884453	6,727493485	37,46897238	2,89E-06	3,67E-05
dual specificity phosphatase 23	0,801564177	7,733557753	37,3714501	2,93E-06	3,70E-05
RAB38, member of RAS oncogene family	0,877452322	5,809269489	37,1926996	3,01E-06	3,72E-05
Fas (TNF receptor superfamily member 6)	0,937636936	8,063782592	37,18077949	3,02E-06	3,72E-05
actin, alpha 2, smooth muscle, aorta	0,658341665	7,247277944	37,17142198	3,02E-06	3,72E-05
mitogen-activated protein kinase associated protein 1	0,92655924	10,13932498	37,14948637	3,03E-06	3,72E-05
potassium voltage-gated channel, shaker-related subfamily, beta member 2	0,855140113	9,699223168	37,04410082	3,08E-06	3,75E-05
tumor suppressor candidate 1	0,921046392	9,617020742	36,7513244	3,23E-06	3,88E-05
phosphate cytidylyltransferase 2, ethanolamine	1,013361747	6,308396878	36,73260558	3,24E-06	3,88E-05
ribonuclease, RNase A family, 6	1,043395908	5,538304768	36,69480312	3,26E-06	3,88E-05
guanylate cyclase activator 1a (retina)	1,194600877	8,15975834	36,63129888	3,29E-06	3,90E-05
RIKEN cDNA 6030429G01 gene	0,851655945	7,770487494	36,3666153	3,43E-06	4,03E-05
DnaJ (Hsp40) homolog, subfamily C, member 10	1,241019513	10,56588942	36,24670994	3,49E-06	4,06E-05
RIKEN cDNA 2610528A11 gene	0,650398291	6,910321812	36,23446264	3,50E-06	4,06E-05
interleukin 28 receptor alpha	0,811080251	6,747866608	36,18269551	3,53E-06	4,07E-05
phosphatidylinositol 4-kinase, catalytic, alpha polypeptide	0,772164825	10,54265282	36,03739118	3,61E-06	4,14E-05
adenine phosphoribosyl transferase	0,885365711	11,16387768	35,91722542	3,68E-06	4,18E-05
predicted gene 11818	0,906298312	5,857815898	35,88641835	3,70E-06	4,18E-05
hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)	1,064718886	7,351485869	35,75765702	3,78E-06	4,24E-05
S-adenosylhomocysteine hydrolase-like 2	0,793190984	7,574898756	35,60491375	3,87E-06	4,32E-05
mitogen-activated protein kinase associated protein 1	0,838979842	9,896770972	35,30011106	4,07E-06	4,51E-05
cadherin-related family member 1	0,639850311	5,725757351	35,24250921	4,10E-06	4,52E-05
transmembrane 4 superfamily member 5	0,744343997	6,109196402	35,15001416	4,17E-06	4,56E-05
serum/glucocorticoid regulated kinase 3	0,781666103	6,303242477	35,09529151	4,20E-06	4,58E-05
fermitin family homolog 3 (Drosophila)	0,918363619	7,956653369	35,02678341	4,25E-06	4,59E-05
LON peptidase N-terminal domain and ring finger 3	0,747336433	6,82036887	35,00062033	4,27E-06	4,59E-05
calcium and integrin binding family member 2	0,753360828	5,494431855	34,60895139	4,55E-06	4,86E-05
histocompatibility 13	1,052755832	7,785409183	34,54363704	4,60E-06	4,89E-05
monocyte to macrophage differentiation-associated	0,801906285	10,96262758	34,42387777	4,69E-06	4,96E-05
RIKEN cDNA 6720456B07 gene	0,791545768	12,33495688	34,33000378	4,77E-06	5,00E-05
cDNA sequence BC024659	0,746897234	5,862850248	34,24795307	4,83E-06	5,04E-05
liver glycogen phosphorylase	0,863919202	9,160053523	34,1589617	4,90E-06	5,09E-05
hematopoietically expressed homeobox	0,855765956	6,954330389	34,1229339	4,93E-06	5,09E-05
LIM-domain containing, protein kinase	0,830106684	7,130704396	34,00119879	5,03E-06	5,16E-05
Kruppel-like factor 2 (lung)	0,744319111	5,662739332	33,8999044	5,12E-06	5,22E-05
ring finger protein 128	0,818762029	5,688021752	33,78199485	5,22E-06	5,29E-05
adenosine kinase	0,649973912	7,141886566	33,47784864	5,50E-06	5,54E-05
Ras-related associated with diabetes	0,876766915	6,688487232	33,40814355	5,56E-06	5,57E-05
glucuronidase, beta	0,719361808	8,941175518	33,29588425	5,67E-06	5,60E-05
tetraspanin 4	0,724223863	6,066280924	33,28772587	5,68E-06	5,60E-05
SFFV proviral integration 1	0,85471997	6,682451597	33,2772785	5,69E-06	5,60E-05
per-pentamer repeat gene	0,794853921	5,909012661	33,16678825	5,79E-06	5,67E-05
zinc finger protein 296	0,827043665	6,255661991	33,1002222	5,86E-06	5,71E-05
predicted gene 5590	0,703383006	6,995517639	32,97977227	5,98E-06	5,79E-05
emopamil binding protein-like	1,097424993	9,045231215	32,88085758	6,09E-06	5,86E-05
epithelial membrane protein 3	0,810385498	11,41826941	32,80043358	6,17E-06	5,91E-05
consortin, connexin sorting protein	0,799350864	7,107420773	32,75936038	6,21E-06	5,92E-05
progestin and adipoQ receptor family member VII	0,669448427	6,170493389	32,23466427	6,81E-06	6,45E-05
transmembrane channel-like gene family 6	0,764849164	7,198208878	32,10612607	6,96E-06	6,56E-05
abhydrolase domain containing 5	0,73996102	7,119826782	31,84523221	7,29E-06	6,81E-05
glucuronidase, beta	0,886689897	12,13095234	31,83250548	7,30E-06	6,81E-05
brain-specific angiogenesis inhibitor 1-associated protein 2	0,806572755	6,501811072	31,78808816	7,36E-06	6,83E-05
isovaleryl coenzyme A dehydrogenase	0,839199146	8,152980449	31,5813117	7,63E-06	7,04E-05
UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 5	0,895465436	8,850451559	31,50716263	7,74E-06	7,10E-05
ferric-chelate reductase 1	0,805395809	7,88979539	31,34948108	7,96E-06	7,26E-05
aldo-keto reductase family 1, member A4 (aldehyde reductase)	0,995583808	13,70432232	31,26623133	8,08E-06	7,34E-05
guanidinoacetate methyltransferase	0,857723972	6,481856757	31,1822591	8,20E-06	7,41E-05
selenoprotein X 1	0,869353356	9,056304523	31,10140805	8,32E-06	7,48E-05
LAG1 homolog, ceramide synthase 2	0,767384729	10,67568423	31,06647211	8,37E-06	7,49E-05
major facilitator superfamily domain containing 7B	0,804596243	10,37672705	30,92126318	8,59E-06	7,65E-05
tetratricopeptide repeat domain 39A	0,808962973	6,136963675	30,83096755	8,73E-06	7,71E-05
dolichyl-phosphate (UDP-N-acetylglucosamine) acetylglucosaminephosphotransferase 1 (GlcNAc-1-	0,93606604	10,39961065	30,82120577	8,75E-06	7,71E-05
glutaminyl-peptide cyclotransferase (glutaminyl cyclase)	0,936211425	6,851619442	30,7892542	8,80E-06	7,71E-05
aldo-keto reductase family 1, member A4 (aldehyde reductase)	0,892713378	12,84146372	30,58538197	9,13E-06	7,96E-05

cell division cycle associated 8	0,710738997	7,079085293	30,486516	9,30E-06	8,06E-05
zinc finger protein 296	0,816620005	7,289430527	30,46561666	9,33E-06	8,06E-05
vacuolar protein sorting 13B (yeast)	0,756772914	8,43605866	30,37910117	9,48E-06	8,15E-05
ribosomal protein S6 kinase polypeptide 1	1,016055172	10,1408866	30,27190347	9,67E-06	8,27E-05
endothelin converting enzyme 2	0,749010634	6,990493529	30,2421356	9,72E-06	8,28E-05
spermidine synthase	1,000125152	7,189285544	30,06008603	1,01E-05	8,52E-05
HtrA serine peptidase 2	1,002916682	9,657469747	29,5950603	1,10E-05	9,24E-05
family with sequence similarity 98, member C	0,773101754	6,322500581	29,53070834	1,11E-05	9,31E-05
phosphatidylinositol glycan anchor biosynthesis, class Z	1,043092709	6,030778961	29,32478939	1,15E-05	9,63E-05
FCH domain only 1	1,01860079	8,277875656	29,24703502	1,17E-05	9,73E-05
sphingosine-1-phosphate receptor 2	0,848801718	10,24892686	29,04510497	1,22E-05	0,000100582
endonuclease/exonuclease/phosphatase family domain containing 1	0,651334131	5,996957327	28,91634975	1,25E-05	0,000102594
B-cell receptor-associated protein 29	0,925857069	9,206397323	28,87498186	1,26E-05	0,000102924
signal peptidase complex subunit 3 homolog (S. cerevisiae)	0,818246647	8,578727958	28,81946708	1,27E-05	0,000103538
translocase of outer mitochondrial membrane 40 homolog-like (yeast)	0,770860064	8,927770077	28,72996261	1,29E-05	0,00010484
myosin VA	0,82187582	7,512732506	28,64862326	1,31E-05	0,000106
prenylcysteine oxidase 1	0,746923026	9,065522249	28,59766467	1,33E-05	0,000106553
translocating chain-associating membrane protein 1	0,865097453	10,36291311	28,47658199	1,36E-05	0,000108571
C-type lectin domain family 4, member d	1,328361925	12,31133208	28,3896381	1,38E-05	0,000109296
lysine (K)-specific demethylase 6A	0,79735804	8,879966143	28,348026	1,39E-05	0,000109296
serum/glucocorticoid regulated kinase 1	0,749448034	12,55421653	28,34089011	1,39E-05	0,000109296
zinc finger, MIZ-type containing 2	0,714327742	8,466114078	28,33443179	1,39E-05	0,000109296
calcium/calmodulin-dependent serine protein kinase (MAGUK family)	0,752153491	7,817056778	28,32553832	1,40E-05	0,000109296
protein arginine N-methyltransferase 3	0,879271038	8,885350376	28,17554287	1,44E-05	0,00011203
high mobility group nucleosomal binding domain 3	0,994917611	12,10459754	28,08686252	1,46E-05	0,00011348
family with sequence similarity 89, member B	0,736093468	9,065553139	28,03711998	1,48E-05	0,000114084
ribose 5-phosphate isomerase A	1,020458589	6,902413409	27,88568353	1,52E-05	0,000117005
kinesin family member 2A	1,24772474	7,450010018	27,86161297	1,53E-05	0,000117046
DDRGK domain containing 1	0,757391922	7,041138935	27,82909549	1,54E-05	0,000117285
regulatory associated protein of MTOR, complex 1	0,867811441	9,630674067	27,64373263	1,60E-05	0,00012064
pseudouridylate synthase-like 1	0,807416308	6,689251317	27,60842376	1,61E-05	0,00012064
lysozyme 1	0,853442909	12,30406594	27,59954774	1,61E-05	0,00012064
ubiquitin-like modifier activating enzyme 7	0,829465159	10,38658676	27,59884293	1,61E-05	0,00012064
tetratricopeptide repeat domain 35	1,064755729	10,63623131	27,53676402	1,63E-05	0,000121004
solute carrier family 25, member 45	1,002089869	9,749339428	27,52632587	1,63E-05	0,000121004
transmembrane and coiled coil domains 1	0,914611179	7,967319607	27,51940013	1,64E-05	0,000121004
lymphocyte antigen 9	1,448842124	7,963359493	27,47163278	1,65E-05	0,000121634
steroid 5 alpha-reductase 3	0,934376546	9,15836329	27,45100947	1,66E-05	0,000121634
family with sequence similarity 111, member A	0,856692263	7,174419762	27,40642312	1,67E-05	0,000122206
4-nitrophenylphosphatase domain and non-neuronal SNAP25-like protein homolog 1 (C. elegans)	0,942204392	7,96932117	27,2786877	1,72E-05	0,000124841
vaccinia related kinase 2	1,030685785	6,883202429	27,21559609	1,74E-05	0,000125905
Rab interacting lysosomal protein	0,873511052	6,471647096	26,93852838	1,84E-05	0,000132036
Nfat activating molecule with ITAM motif 1	1,113641083	5,75901156	26,9273048	1,84E-05	0,000132036
synaptophysin-like protein	1,006489624	9,102028733	26,91798453	1,85E-05	0,000132036
KN motif and ankyrin repeat domains 3	0,841829118	7,009494237	26,65823359	1,95E-05	0,000138613
testis specific protein kinase 1	0,821948907	8,922310585	26,56654134	1,98E-05	0,000140657
a disintegrin and metallopeptidase domain 11	0,790546125	5,23613824	26,43282326	2,04E-05	0,000143975
nurim (nuclear envelope membrane protein)	0,717799345	5,946643847	26,1105601	2,18E-05	0,000153239
ring finger protein 130	0,836307327	10,9645819	26,02780526	2,21E-05	0,000155267
C2 calcium-dependent domain containing 2	0,867740442	6,379645887	25,94140079	2,25E-05	0,000156956
heat shock protein, alpha-crystallin-related, B6	0,922950473	10,18264233	25,93738781	2,26E-05	0,000156956
thioredoxin-related transmembrane protein 4	0,767954863	8,230015056	25,77157479	2,34E-05	0,000161838
diacylglycerol kinase, gamma	0,869085926	5,313355026	25,73321584	2,35E-05	0,000162435
C2 calcium-dependent domain containing 2-like	0,897613793	8,185969171	25,71639837	2,36E-05	0,000162435
cytochrome b, ascorbate dependent 3	0,790834944	7,731704153	25,69576456	2,37E-05	0,000162501
succinate dehydrogenase complex assembly factor 1	0,883774671	9,405734489	25,63506845	2,40E-05	0,000163944
sprouty homolog 3 (Drosophila)	0,808787809	4,948263649	25,51217439	2,47E-05	0,000167587
family with sequence similarity 195, member A	0,983216774	5,584436385	25,46240667	2,49E-05	0,000168702
RIKEN cDNA 1810014F10 gene	0,915067671	6,993140586	25,32756703	2,56E-05	0,000172382
regulator of G-protein signaling 12	0,778070868	6,865473138	25,32409132	2,57E-05	0,000172382
ring finger protein 19A	0,872630657	10,27220065	25,29493567	2,58E-05	0,000172606
polymerase (DNA directed), delta 1, catalytic subunit	0,76561301	8,600313368	25,28198696	2,59E-05	0,000172606
differentially expressed in B16F10 1	0,893866499	10,12947999	25,23245865	2,62E-05	0,000173183
G protein-coupled receptor 89	0,73014319	6,638956697	25,23062963	2,62E-05	0,000173183
general transcription factor II H, polypeptide 2	0,782698648	9,353723297	25,15641474	2,66E-05	0,00017528
lysophosphatidylcholine acyltransferase 2	1,077548042	6,760948101	25,11502372	2,68E-05	0,000175701
GRIP1 associated protein 1	0,787953691	6,97090665	25,11005336	2,69E-05	0,000175701
RIKEN cDNA 1110021J02 gene	1,319328144	6,656113243	24,85171517	2,84E-05	0,000185015
high mobility group nucleosomal binding domain 3	1,070243012	11,85314943	24,75384872	2,90E-05	0,00018826
RIKEN cDNA 1110002B05 gene	0,861894038	9,898001722	24,70724365	2,93E-05	0,000188443
transmembrane protein 63a	0,865050115	6,802607807	24,68763602	2,94E-05	0,000188443
retinoblastoma 1	0,768589325	7,411208597	24,68606203	2,94E-05	0,000188443
integrin beta 2	0,874978194	7,417373374	24,67382873	2,95E-05	0,000188443
P450 (cytochrome) oxidoreductase	0,860823466	8,025057878	24,66450137	2,96E-05	0,000188443
ATP-binding cassette, sub-family D (ALD), member 1	0,80823331	6,847990662	24,62353267	2,98E-05	0,000189431
ecotropic viral integration site 2a	0,678240991	8,116637216	24,60691112	2,99E-05	0,000189431
sorting nexin family member 30	0,810660128	6,106449172	24,569218	3,02E-05	0,000189888
NAD kinase	1,099751715	9,681519862	24,56267435	3,02E-05	0,000189888
nuclear receptor coactivator 4	0,833915195	7,824231268	24,4996876	3,06E-05	0,000191819
SRY-box containing gene 4	0,647763637	6,540523679	24,43447913	3,11E-05	0,000193871
doublesex and mab-3 related transcription factor like family A2	0,730023382	6,829156231	24,40155497	3,13E-05	0,000194251

vesicle-associated membrane protein 8	0,896720578	11,32803225	24,3682774	3,15E-05	0,000194251
RIKEN cDNA 4930579G24 gene	1,005880294	6,489648477	24,35172517	3,16E-05	0,000194251
GLI pathogenesis-related 1 (glioma)	0,970390328	11,67784635	24,34699741	3,17E-05	0,000194251
translocase of inner mitochondrial membrane 8 homolog a1 (yeast)	0,799400485	8,334374992	24,3447812	3,17E-05	0,000194251
feline sarcoma oncogene	0,705282126	9,172117662	24,29228386	3,21E-05	0,000195094
prolylcarboxypeptidase (angiotensinase C)	0,956688595	11,13313754	24,28410441	3,21E-05	0,000195094
SH2B adaptor protein 3	0,851177198	9,296198291	24,26454648	3,23E-05	0,000195094
acyl-CoA synthetase short-chain family member 1	0,835822522	9,397830709	24,26159927	3,23E-05	0,000195094
Sad1 and UNC84 domain containing 2	0,807743134	10,12765704	24,16368357	3,30E-05	0,00019865
expressed sequence AI413582	0,884881498	8,820721044	24,0530126	3,38E-05	0,000202858
ligase III, DNA, ATP-dependent	0,852275109	6,718110219	24,02817664	3,40E-05	0,000203278
retinoblastoma binding protein 7	0,788686077	9,204097512	23,9923648	3,42E-05	0,000204197
polyamine oxidase (exo-N4-amino)	0,768478876	8,654632471	23,94338522	3,46E-05	0,000205724
solute carrier family 5 (sodium-dependent vitamin transporter), member 6	0,860638401	7,461865888	23,8433699	3,54E-05	0,000209297
eukaryotic translation initiation factor 4, gamma 2	0,885152772	8,053366273	23,83537908	3,55E-05	0,000209297
family with sequence similarity 89, member B	0,746617789	6,796003145	23,77420624	3,59E-05	0,000210642
solute carrier family 6 (neurotransmitter transporter, creatine), member 8	0,730378362	8,554871688	23,76589809	3,60E-05	0,000210642
predicted gene 962	0,876942017	7,517277791	23,76146099	3,60E-05	0,000210642
zinc binding alcohol dehydrogenase, domain containing 2	1,210699087	7,999387896	23,55031418	3,78E-05	0,000220087
interleukin 28 receptor alpha	0,889170675	5,670278742	23,514882	3,81E-05	0,000220087
zinc finger protein 524	0,772277391	8,161855312	23,50298323	3,82E-05	0,000220087
N-acetylglucosamine-1-phosphotransferase, gamma subunit	0,769067587	9,633715352	23,49052446	3,83E-05	0,000220087
neural precursor cell expressed, developmentally down-regulated gene 4-like	1,129597341	9,378061247	23,4790022	3,84E-05	0,000220087
sperm antigen with calponin homology and coiled-coil domains 1	0,829711664	9,152271355	23,47716729	3,84E-05	0,000220087
CD37 antigen	0,668265549	6,287858063	23,4340119	3,88E-05	0,000221512
tetraspanin 17	0,785979402	8,730272971	23,41641855	3,89E-05	0,00022167
hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 7	0,902933582	11,54864508	23,39117121	3,92E-05	0,000222215
calreticulin	0,83181836	8,345409178	23,32972359	3,97E-05	0,000224594
ribosomal protein S6 kinase polypeptide 1	0,800921018	5,38016671	23,29292358	4,00E-05	0,000225743
ubiquitin-conjugating enzyme E2L 3	0,783224336	11,63639062	23,22946607	4,06E-05	0,000228279
B-cell receptor-associated protein 29	0,929336873	8,458201551	23,16214153	4,13E-05	0,000230953
potassium inwardly-rectifying channel, subfamily K, member 6	0,883457519	11,68320276	23,15006341	4,14E-05	0,000230953
retinoblastoma binding protein 7	0,813011302	8,72863	23,1188375	4,17E-05	0,000231862
proline-serine-threonine phosphatase-interacting protein 1	0,797199574	7,306867239	22,90007305	4,38E-05	0,000242976
extended synaptotagmin-like protein 1	0,735294759	10,79950958	22,87302099	4,41E-05	0,000243718
phosphatidylinositol 3 kinase, regulatory subunit, polypeptide 3 (p55)	0,792116026	5,642480968	22,76051298	4,52E-05	0,000249321
transmembrane protein 48	0,982276206	6,06254197	22,74588383	4,54E-05	0,000249379
Grb2-binding adaptor, transmembrane	0,896583927	5,814083267	22,68725493	4,60E-05	0,000251986
hydroxypyruvate isomerase homolog (E. coli)	0,854202967	7,628374965	22,63661963	4,65E-05	0,00025416
cytochrome b5 reductase-like	1,039733566	5,081644753	22,60708664	4,69E-05	0,000255109
transmembrane protein 38B	0,775360264	8,556063589	22,53291007	4,77E-05	0,000258732
tetratricopeptide repeat domain 3	0,806019885	9,428455583	22,48173911	4,82E-05	0,00026102
CKLF-like MARVEL transmembrane domain containing 8	1,165310428	5,114063676	22,44674632	4,86E-05	0,000262345
ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 1	0,837880371	6,121432548	22,36484878	4,96E-05	0,000266585
plasminogen activator, urokinase receptor	0,830157259	7,729574718	22,34526383	4,98E-05	0,000266988
protein arginine N-methyltransferase 7	0,887683759	8,048967518	22,28559331	5,05E-05	0,000269916
family with sequence similarity 108, member A	0,782245626	9,393872663	22,09690606	5,28E-05	0,000281295
glucose-6-phosphate dehydrogenase X-linked	0,992754026	8,707836251	22,05914637	5,33E-05	0,000282952
ribosomal protein L27A	0,822584578	8,955672499	22,01908315	5,38E-05	0,000284779
TM2 domain containing 2	0,932843835	9,923344882	21,9946417	5,41E-05	0,000285567
RIKEN cDNA 1810062O18 gene	0,940603831	6,098178371	21,93525286	5,48E-05	0,000288742
RIKEN cDNA 2010111I01 gene	1,298267262	6,895609582	21,79460169	5,67E-05	0,000297555
death-associated protein	0,99060462	8,182168021	21,78357962	5,69E-05	0,000297555
neuralized-like 2 (Drosophila)	0,687522354	5,773792831	21,76444534	5,71E-05	0,000298026
required for meiotic nuclear division 5 homolog A (S. cerevisiae)	0,766178657	10,76045654	21,64258319	5,88E-05	0,000305187
family with sequence similarity 20, member C	0,902853048	6,666117414	21,64026711	5,88E-05	0,000305187
B-cell leukemia/lymphoma 6	0,898479748	10,74751698	21,60080903	5,94E-05	0,000306596
T-cell, immune regulator 1, ATPase, H+ transporting, lysosomal V0 protein A3	0,730306593	7,136035251	21,5964312	5,95E-05	0,000306596
Yip1 interacting factor homolog B (S. cerevisiae)	1,031136633	9,734531142	21,52798072	6,05E-05	0,000310764
glycogenin	1,061137737	9,177642764	21,5058744	6,08E-05	0,000311508
RIKEN cDNA 6720456B07 gene	0,887142071	12,37853029	21,48580678	6,11E-05	0,000312104
IQ motif containing GTPase activating protein 2	0,742689054	5,088960904	21,44092764	6,17E-05	0,000314581
predicted gene 11696	0,756352132	6,216940405	21,17547287	6,58E-05	0,000334039
syndecan 2	0,723609048	5,169321789	21,16503296	6,60E-05	0,000334039
cysteinyl leukotriene receptor 1	1,024574407	5,656637718	21,15754827	6,61E-05	0,000334039
Fanconi anemia, complementation group L	1,007711782	6,056993206	21,13977214	6,64E-05	0,000334525
START domain containing 7	1,004221573	8,836798985	21,09901506	6,71E-05	0,000336901
KCNQ1 overlapping transcript 1	0,705794294	7,737014101	21,01842195	6,84E-05	0,000342624
ribosomal protein S6 kinase, polypeptide 5	0,754067025	8,175114454	20,98958386	6,89E-05	0,00034407
steroid 5 alpha-reductase 3	1,049296409	8,971626952	20,94441461	6,97E-05	0,000346916
serum/glucocorticoid regulated kinase 3	0,815125278	6,552008095	20,92706792	7,00E-05	0,00034741
transmembrane protein 38B	0,762865701	10,14922474	20,9073791	7,03E-05	0,000348109
TNF receptor-associated factor 5	0,746197081	6,028943405	20,89464893	7,05E-05	0,000348217
molybdenum cofactor sulfurase	0,870609241	8,205177801	20,87830382	7,08E-05	0,000348638
Fez family zinc finger 2	0,809662949	6,225176338	20,8205964	7,18E-05	0,000352639
avian reticuloendotheliosis viral (v-rel) oncogene related B	0,814551255	10,12844742	20,80157355	7,22E-05	0,000352679
neurolysin (metallopeptidase M3 family)	0,977017394	7,073271579	20,79749769	7,22E-05	0,000352679
UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 3	0,760744873	5,385374692	20,74650571	7,31E-05	0,000355386
CD151 antigen	0,71781351	7,196267914	20,74405957	7,32E-05	0,000355386
GTP binding protein 1	0,785814492	7,503877544	20,66245067	7,47E-05	0,000361641
ninein	0,92961938	7,135562995	20,62276502	7,54E-05	0,000364215

cDNA sequence BC037034	0,970666192	8,979195239	20,5525114	7,67E-05	0,000369597
RIKEN cDNA 2810008M24 gene	0,93138136	7,756322422	20,53469327	7,71E-05	0,000369597
non-metastatic cells 2, protein (NM23B) expressed in	1,016532653	12,00306134	20,53072857	7,72E-05	0,000369597
potassium channel tetramerisation domain containing 12b	0,858334763	5,441884806	20,51439057	7,75E-05	0,000370095
receptor accessory protein 5	0,80363732	7,983155531	20,44881085	7,88E-05	0,000375182
transmembrane emp24-like trafficking protein 10 (yeast)	0,807156147	10,14746979	20,41371721	7,95E-05	0,000377465
TRIO and F-actin binding protein	0,792434582	11,95368561	20,34712094	8,08E-05	0,00038278
mindbomb homolog 2 (Drosophila)	0,764783977	8,652036815	20,30558804	8,16E-05	0,000385751
neuron navigator 1	0,804103437	9,166945306	20,22942907	8,32E-05	0,000392159
high density lipoprotein (HDL) binding protein	0,878852918	9,146917535	20,19704595	8,39E-05	0,000394228
melanoma antigen, family E, 1	1,136640343	9,087751893	20,18730275	8,41E-05	0,000394228
growth arrest-specific 2 like 3	0,91497978	8,06484373	20,16184355	8,47E-05	0,000395713
NAD kinase	1,077266139	10,08843553	20,09286556	8,61E-05	0,000401607
vav 1 oncogene	0,963112256	9,734617826	20,07540862	8,65E-05	0,000402318
CLPTM1-like	0,807069917	10,24225012	20,03510531	8,74E-05	0,000405376
Rap1 GTPase-activating protein	0,894482328	5,928694365	19,89337642	9,06E-05	0,000418659
calcium and integrin binding family member 2	0,962637813	6,473649781	19,88770616	9,08E-05	0,000418659
catenin beta interacting protein 1	0,804941236	6,640393669	19,87050887	9,12E-05	0,000419398
6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4	1,116348625	8,766904721	19,85613225	9,15E-05	0,000419839
methylmalonyl CoA epimerase	1,037690232	9,248923414	19,84528571	9,17E-05	0,000419906
epithelial membrane protein 3	0,862573036	12,73099274	19,8190919	9,24E-05	0,000421627
propionyl Coenzyme A carboxylase, beta polypeptide	0,912329232	6,100089125	19,77917606	9,33E-05	0,000424853
imprinted and ancient	0,762345696	9,740591522	19,74930594	9,40E-05	0,000427011
cyclin-dependent kinase 2 interacting protein	0,932167756	7,229658392	19,6618411	9,62E-05	0,000434666
Rho GTPase activating protein 17	0,920295935	10,59761152	19,66005831	9,62E-05	0,000434666
solute carrier family 10 (sodium/bile acid cotransporter family), member 3	0,755685997	7,71407108	19,62112562	9,72E-05	0,000437919
aldehyde dehydrogenase family 3, subfamily A1	1,246211846	5,090428648	19,59478691	9,78E-05	0,000439774
N-acetylneuraminic acid synthase (sialic acid synthase)	0,948349285	10,51150316	19,56121202	9,87E-05	0,000442469
RPA interacting protein	0,762827749	8,648459658	19,45507674	0,000101441	0,000453007
olfactomedin-like 2B	1,395806333	5,040648778	19,45060804	0,000101558	0,000453007
formin-like 3	0,837928712	6,36097638	19,42996048	0,000102104	0,000454286
beta-1,4-N-acetyl-galactosaminyl transferase 1	0,771769356	9,952578547	19,36072958	0,000103959	0,000461367
dehydrogenase/reductase (SDR family) X chromosome	0,927093539	7,032720271	19,31564268	0,000105188	0,00046496
ATPase, H+ transporting, lysosomal V0 subunit D1	0,890543125	9,984650105	19,31158918	0,000105299	0,00046496
predicted gene, 19962	0,642039031	6,802597226	19,28733903	0,000105968	0,000466736
ninjurin 1	0,797605144	6,514241362	19,23999766	0,000107287	0,000471363
Fc receptor, IgG, alpha chain transporter	0,814491453	9,030759479	19,1825824	0,000108912	0,000475957
eukaryotic translation elongation factor 1 alpha 2	0,637810609	6,426764061	19,18050375	0,000108971	0,000475957
TRIO and F-actin binding protein	0,796557744	11,67856882	19,1743675	0,000109147	0,000475957
isocitrate dehydrogenase 2 (NADP+), mitochondrial	1,052633825	7,775593382	19,14047007	0,000110122	0,000479018
3'-phosphoadenosine 5'-phosphosulfate synthase 1	1,262293623	8,759884709	19,07816823	0,000111941	0,000485723
hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 7	0,812818922	9,874342659	19,06397152	0,00011236	0,000486338
growth factor receptor bound protein 2-associated protein 1	0,73212021	6,622726842	19,04746211	0,00011285	0,000487247
START domain containing 10	0,900892526	7,101614803	19,03818896	0,000113126	0,000487247
Rho guanine nucleotide exchange factor (GEF) 1	0,786741483	6,637004236	19,00766362	0,00011404	0,000489983
adhesion molecule, interacts with CXADR antigen 1	0,737733982	5,539205988	18,9257316	0,000116537	0,000499487
transmembrane protein, adipocyte asscociated 1	0,761682271	8,32309161	18,88979609	0,000117652	0,000501354
activating transcription factor 3	0,750852753	9,700176189	18,88730395	0,00011773	0,000501354
phosphatidylinositol transfer protein, alpha	0,873775705	9,058719817	18,87802888	0,00011802	0,000501354
family with sequence similarity 195, member A	0,936005697	6,095165181	18,86399148	0,000118461	0,000501354
sine oculis-binding protein homolog (Drosophila)	0,661617216	5,76886542	18,85911192	0,000118614	0,000501354
MPV17 mitochondrial membrane protein-like 2	0,758402299	8,403231752	18,85673227	0,000118689	0,000501354
arginyl aminopeptidase (aminopeptidase B)-like 1	0,828794192	11,67497246	18,78511183	0,000120971	0,000509763
ski sarcoma viral oncogene homolog (avian)	0,692039185	5,676469378	18,74595273	0,000122239	0,000512332
adenylosuccinate synthetase like 1	0,813875846	10,23765165	18,74099221	0,000122401	0,000512332
eosinophil-associated, ribonuclease A family, member 11	0,873216088	5,389713306	18,73928301	0,000122457	0,000512332
ribosomal protein, large, P0	0,865156005	7,465431785	18,72865713	0,000122805	0,000512563
bone morphogenetic protein 1	0,760925066	8,561470948	18,69247976	0,000123997	0,000516129
zinc finger protein 36	0,899214742	12,09106284	18,68490971	0,000124248	0,000516129
forkhead box P4	0,799140126	8,633015043	18,61204187	0,000126695	0,00052505
spermatid perinuclear RNA binding protein	0,806214184	7,39573859	18,45848703	0,000132035	0,00054589
Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6	0,815897066	10,26758604	18,41669269	0,000133533	0,000550783
lysine (K)-specific demethylase 6A	0,862189538	8,337386814	18,37909464	0,000134897	0,000552931
CDC42 small effector 1	0,873307553	11,73366204	18,36903025	0,000135265	0,000552931
microtubule associated monoxygenase, calponin and LIM domain containing 2	0,72379127	7,341180816	18,36750772	0,00013532	0,000552931
guanine nucleotide binding protein (G protein), gamma 2	0,730283622	7,201357131	18,35965767	0,000135608	0,000552931
YEATS domain containing 2	0,868581531	7,488506082	18,35693254	0,000135708	0,000552931
tripartite motif-containing 29	0,924249059	5,658385916	18,35047239	0,000135946	0,000552931
echinoderm microtubule associated protein like 3	0,74647422	6,523316181	18,33878928	0,000136377	0,0005534
ubiquitin-conjugating enzyme E2L 3	0,789827762	11,16542307	18,31274132	0,000137343	0,000556035
zinc finger, DHHC domain containing 3	0,824384713	6,050526868	18,29648032	0,000137951	0,000557206
polymerase (RNA) I polypeptide A	0,977773719	7,715185328	18,27066744	0,000138921	0,000559836
pleckstrin homology domain containing, family G (with RhoGef domain) member 2	0,83143321	10,62998298	18,25015244	0,000139698	0,000561675
inner centromere protein	0,994826235	5,925156512	18,21592991	0,000141005	0,000565633
A kinase (PRKA) anchor protein 5	0,7792557	5,847743944	18,18360701	0,000142252	0,000568287
RIKEN cDNA 5033414D02 gene	0,830372824	10,80698981	18,18198772	0,000142315	0,000568287
Fc receptor, IgG, alpha chain transporter	0,737863916	7,328661878	18,12152058	0,000144684	0,000576433
ATP-binding cassette, sub-family A (ABC1), member 3	1,184845694	9,96998174	18,06179069	0,000147068	0,000584603
RIKEN cDNA 2010107H07 gene	0,764943003	9,165088094	18,0362413	0,000148101	0,00058738
ATP-binding cassette, sub-family G (WHITE), member 1	0,680954803	7,348369445	18,0267421	0,000148488	0,000587583
folylpolyglutamyl synthetase	1,052765955	7,464198786	18,0090853	0,000149209	0,000589108

glypican 1	0,912972469	13,21801263	17,95675975	0,000151371	0,000596298
N-acylsphingosine amidohydrolase 1	0,795970659	12,22005791	17,93717807	0,000152189	0,000597777
solute carrier family 30 (zinc transporter), member 1	0,997559999	6,269409353	17,92883213	0,000152539	0,000597777
selectin, platelet (p-selectin) ligand	0,757489745	11,54506689	17,92335977	0,000152769	0,000597777
solute carrier family 35, member E3	0,837493317	7,932506598	17,90534855	0,000153529	0,000598197
zinc finger protein 90	0,804204272	6,99866247	17,90464892	0,000153559	0,000598197
Williams Beuren syndrome chromosome region 22	0,890054636	7,974995789	17,8578505	0,000155555	0,000604629
protein kinase, interferon inducible double stranded RNA dependent activator	0,861404646	8,68706502	17,84877231	0,000155946	0,000604807
starch binding domain 1	0,882519998	7,271422163	17,81982935	0,000157199	0,000608162
DnaJ (Hsp40) homolog, subfamily C, member 19	0,99020235	10,42725166	17,8128022	0,000157505	0,000608162
ZW10 homolog (Drosophila), centromere/kinetochore protein	0,723175832	7,33655594	17,79862727	0,000158124	0,000609211
Ras-like without CAAX 1	0,868439153	10,65194966	17,64094199	0,000165204	0,000635094
high mobility group box transcription factor 1	0,844572334	10,89412598	17,58153515	0,000167966	0,000644297
zinc finger protein 277	0,942914759	9,5694162	17,54818111	0,000169539	0,000648913
DENN/MADD domain containing 2A	1,01323459	6,282649471	17,52440331	0,000170671	0,000649272
protein kinase C, eta	1,074112993	5,477093072	17,52321578	0,000170728	0,000649272
ATPase, Ca++ transporting, plasma membrane 1	0,778509223	7,862340158	17,52159613	0,000170805	0,000649272
immunoglobulin superfamily, member 9	1,172463847	7,257866727	17,51513794	0,000171115	0,000649272
EPS8-like 2	0,724899501	6,026283026	17,48933342	0,000172357	0,000652573
HEAT repeat containing 1	0,931345297	9,035439228	17,40250156	0,000176613	0,000667246
hyperpolarization-activated, cyclic nucleotide-gated K+ 3	0,725992952	5,63584304	17,38989076	0,000177241	0,000667446
annexin A4	0,986733907	8,353909207	17,38615835	0,000177427	0,000667446
RIKEN cDNA 2700094K13 gene	1,092739408	9,501524532	17,37189202	0,000178142	0,000668699
vaccinia related kinase 2	1,349527234	7,175075828	17,30898619	0,000181332	0,000677906
nucleobindin 1	0,928465502	9,649635213	17,30828548	0,000181368	0,000677906
zinc finger protein 36, C3H type-like 1	0,941183145	13,79585937	17,29685761	0,000181954	0,000677916
N-acetylglucosamine-1-phosphotransferase, gamma subunit	0,786353007	9,52004746	17,29317534	0,000182144	0,000677916
scavenger receptor class A, member 3	0,943160591	8,409513742	17,25711245	0,000184012	0,000683417
cathepsin H	0,871255802	11,40582222	17,24777078	0,000184499	0,000683779
peroxisomal biogenesis factor 26	0,750544387	5,685207269	17,23887747	0,000184965	0,000684057
coiled-coil domain containing 125	0,821709848	5,081277223	17,21936399	0,000185991	0,000686404
Sfi1 homolog, spindle assembly associated (yeast)	0,685248702	6,707400519	17,17246046	0,000188483	0,000694142
RIKEN cDNA 2310004N24 gene	1,004036561	6,75617307	17,02893662	0,000196353	0,000721326
F-box and leucine-rich repeat protein 6	0,880742641	7,945922601	17,01596632	0,000197082	0,000721326
3-hydroxy-3-methylglutaryl-Coenzyme A lyase	0,781816281	9,423016124	17,01566465	0,000197099	0,000721326
enoyl-Coenzyme A delta isomerase 3	1,153710174	6,048369238	16,95411194	0,000200604	0,000732624
regulator of G-protein signalling 10	0,871114294	12,03606843	16,85366994	0,000206479	0,000752509
A kinase (PRKA) anchor protein (yotiao) 9	0,839958237	9,804336787	16,84133065	0,000207214	0,000753622
DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 26B	1,174601203	6,615425035	16,80222839	0,000209563	0,000760589
GATS protein-like 2	0,805172306	8,863786299	16,76463486	0,000211851	0,000767303
transducin-like enhancer of split 6, homolog of Drosophila E(spl)	1,104162225	7,490211801	16,75451226	0,000212472	0,000767965
period homolog 2 (Drosophila)	1,109041736	5,401151616	16,71511703	0,000214908	0,000775173
RPA interacting protein	0,783342215	6,64536131	16,69487596	0,000216173	0,000777289
ATPase, H+ transporting, lysosomal V0 subunit D1	0,860623811	11,67343347	16,69153856	0,000216382	0,000777289
nudix (nucleoside diphosphate linked moiety X)-type motif 19	0,818465301	6,983129255	16,66657256	0,000217955	0,000781338
LIM domain and actin binding 1	0,720577291	10,61115702	16,59675096	0,000222423	0,000795731
hypothetical protein LOC100505208	0,953115252	6,391556646	16,56806199	0,00022429	0,000800775
interleukin 13 receptor, alpha 1	0,793878946	8,022149553	16,52646505	0,000227028	0,000807838
interleukin enhancer binding factor 3	0,857520596	8,585980798	16,52037369	0,000227433	0,000807838
growth factor, erv1 (S. cerevisiae)-like (augmenter of liver regeneration)	1,000521414	8,943929006	16,51709281	0,000227651	0,000807838
RIKEN cDNA D830044I16 gene	1,041806923	5,634752404	16,50891129	0,000228196	0,000808135
ATPase, H+ transporting, lysosomal V0 subunit D1	0,836630717	9,988778849	16,49899504	0,000228858	0,000808847
DNA segment, Chr 16, human D22S680E, expressed	0,774987949	9,227397241	16,45115648	0,000232084	0,000818599
ribosomal protein L4	0,934566484	9,321773782	16,4353854	0,000233159	0,000819849
adaptor-related protein complex 2, beta 1 subunit	0,745859951	8,959140786	16,4322479	0,000233374	0,000819849
AHNAK nucleoprotein 2	0,757188543	7,468703696	16,36822696	0,000237802	0,000833733
transcription elongation factor A (SII), 2	1,015972447	6,45878112	16,28080375	0,000244005	0,000853773
TBC1 domain family, member 10c	0,814346263	8,237212762	16,24030799	0,000246941	0,000860762
asparagine-linked glycosylation 8 homolog (yeast, alpha-1,3-glucosyltransferase)	1,080429824	6,830035786	16,23971485	0,000246984	0,000860762
HtrA serine peptidase 2	0,933084824	8,389691897	16,21799364	0,000248576	0,00086459
paralemmin	0,674764571	4,927692453	16,2054636	0,0002495	0,000866085
amyloid beta (A4) precursor-like protein 2	0,887513989	12,11565395	16,05779492	0,000260686	0,000903129
cathepsin H	0,776569095	12,62899357	15,97681411	0,000267065	0,000923401
RAD50 homolog (S. cerevisiae)	0,821770992	8,016695978	15,90282456	0,000273049	0,000941585
heat shock transcription factor family member 5	1,048311181	5,060775117	15,89857292	0,000273398	0,000941585
signal-regulatory protein alpha	0,809413034	11,99004844	15,86696475	0,000276005	0,0009487
phospholysine phosphohistidine inorganic pyrophosphate phosphatase	0,781095802	6,190042588	15,84905065	0,000277495	0,000951956
interleukin 18 receptor 1	0,791011698	4,829846239	15,78467471	0,000282928	0,000968696
cytochrome b-245, alpha polypeptide	0,974275823	13,82226031	15,74751657	0,000286119	0,000977712
low density lipoprotein receptor-related protein 11	0,955347536	6,740392913	15,70094435	0,000290177	0,000989649
adaptor-related protein complex AP-4, mu 1	0,918355815	6,254154285	15,69410677	0,000290778	0,000989774
RAN guanine nucleotide release factor	0,990417952	6,321318134	15,66657754	0,000293213	0,00099613
neutrophil cytosolic factor 2	0,987071109	6,171553012	15,64999659	0,000294692	0,000999215
thyroid hormone receptor interactor 12	0,71405462	5,878233434	15,60304851	0,000298923	0,001011608
elaC homolog 1 (E. coli)	0,840513475	6,565627403	15,56211919	0,00030267	0,001022312
dehydrogenase/reductase (SDR family) member 7	1,099759138	9,00398542	15,5381148	0,000304892	0,001027838
ancient ubiquitous protein 1	0,768643802	10,89762267	15,52557347	0,00030606	0,001028955
signal transducing adaptor family member 2	0,83836029	7,304600789	15,51775409	0,000306792	0,001028955
prion protein	0,858900957	11,9580051	15,51569712	0,000306984	0,001028955
UV radiation resistance associated gene	0,784624726	10,9787959	15,50627227	0,000307869	0,00102995
adenosine monophosphate deaminase 1	0,686568099	5,013387866	15,49737325	0,000308707	0,001030774

mesoderm induction early response 1, family member 2	0,809788685	9,275363757	15,49118339	0,000309291	0,001030774
amyotrophic lateral sclerosis 2 (juvenile) homolog (human)	0,745282208	5,925162979	15,44076234	0,000314098	0,001044809
regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 2	0,701750175	5,736181148	15,40135453	0,000317915	0,001055503
protection of telomeres 1B	0,896812967	5,212094493	15,38698133	0,000319321	0,001058164
transmembrane protein 97	0,96135817	6,905409886	15,34452871	0,000323513	0,001070036
N-acetylglucosamine kinase	0,70855054	8,598686201	15,32304076	0,00032566	0,001073149
zinc finger protein 36, C3H type-like 1	1,002812089	12,01640686	15,32284837	0,000325679	0,001073149
ubiquitin specific peptidase 39	0,83324535	8,201618288	15,31340849	0,000326627	0,001074253
zinc finger protein 532	0,687895601	5,833802353	15,25717032	0,000332341	0,001091
ATP-binding cassette, sub-family A (ABC1), member 3	1,003090625	8,040602808	15,24108868	0,000333996	0,001094384
cell division cycle 20 homolog (S. cerevisiae)	0,672323976	5,30728201	15,22188948	0,000335985	0,001096009
N(alpha)-acetyltransferase 40, NatD catalytic subunit, homolog (S. cerevisiae)	0,853205298	8,591796363	15,21829623	0,000336358	0,001096009
histidine triad nucleotide binding protein 1	0,927387998	11,32452361	15,21820371	0,000336368	0,001096009
guanine nucleotide binding protein (G protein), beta 4	1,005647674	8,458601304	15,20986036	0,000337237	0,001096421
deltex 4 homolog (Drosophila)	0,862872953	6,933193956	15,20499774	0,000337745	0,001096421
nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1	0,723133283	6,74247751	15,17611932	0,00034078	0,001104226
cyclin-dependent kinase-like 2 (CDC2-related kinase)	0,757382146	5,655947342	15,15090055	0,000343455	0,001110842
echinoderm microtubule associated protein like 5	0,724120485	5,557936544	15,11329992	0,000347489	0,00112182
DNA segment, Chr 6, Wayne State University 163, expressed	0,919983651	7,299272796	15,10495946	0,000348391	0,001122665
ATPase, H+ transporting, lysosomal V0 subunit D1	0,862488362	11,16326033	15,08817319	0,000350215	0,001126471
START domain containing 8	0,711696766	6,549443797	15,07305637	0,000351867	0,001129711
ATPase, H+ transporting, lysosomal V1 subunit B2	0,740540675	12,11997686	15,03449471	0,000356121	0,00114128
v-raf-leukemia viral oncogene 1	1,048815168	7,956640752	14,99644119	0,000360377	0,001152812
receptor-associated protein of the synapse	0,851606567	5,143465949	14,98039587	0,000362189	0,001156499
cutC copper transporter homolog (E.coli)	0,903133614	7,515406085	14,95485298	0,000365096	0,001163659
phosphodiesterase 2A, cGMP-stimulated	0,797135604	4,973567519	14,92066593	0,000369027	0,001174056
arginyl aminopeptidase (aminopeptidase B)	0,76571606	9,568332662	14,88494425	0,000373187	0,001185141
A kinase (PRKA) anchor protein (yotiao) 9	0,777387776	9,744874545	14,87661846	0,000374165	0,001186096
RIKEN cDNA 5930434B04 gene	1,055454405	5,540762939	14,83749599	0,000378797	0,001198611
E2F transcription factor 2	0,746768149	4,963464338	14,8231645	0,00038051	0,001201863
histocompatibility (minor) HA-1	0,716423993	9,469360279	14,77215066	0,000386681	0,001219158
eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein)	0,723237493	5,167816789	14,71284204	0,000394	0,001240003
spermidine synthase	1,143946193	6,397961911	14,69387111	0,000396375	0,001245241
peptidyl-tRNA hydrolase 1 homolog (S. cerevisiae)	0,775605923	6,537018668	14,66617916	0,00039987	0,001253976
phosphate cytidylyltransferase 2, ethanolamine	0,68663231	6,905387839	14,58690132	0,000410075	0,001283168
ecto-NOX disulfide-thiol exchanger 2	1,002486603	7,248848369	14,57698277	0,000411373	0,001283168
phenylalanyl-tRNA synthetase, beta subunit	0,893890832	9,361896907	14,57571137	0,000411539	0,001283168
pleckstrin homology domain containing, family G (with RhoGef domain) member 2	0,801733052	9,663960462	14,57138518	0,000412107	0,001283168
cDNA sequence BC002230	0,859486819	6,823812762	14,52357085	0,000418442	0,001300583
ATM interactor	0,805593334	9,77005789	14,5084322	0,000420471	0,001304576
prolyl 4-hydroxylase, beta polypeptide	0,875420357	11,54149116	14,47910429	0,000424434	0,001313476
active BCR-related gene	0,952271204	7,598129038	14,47381425	0,000425153	0,001313476
acyl-CoA thioesterase 11	1,050496458	6,93077749	14,47062543	0,000425587	0,001313476
secretory carrier membrane protein 1	1,131790167	10,32596848	14,42444667	0,000431934	0,00133072
non-metastatic cells 2, protein (NM23B) expressed in	1,091944468	10,81657278	14,40679828	0,000434388	0,001335635
LAG1 homolog, ceramide synthase 2	0,863320659	11,69950155	14,40203503	0,000435053	0,001335635
solute carrier family 41, member 3	1,023641511	5,860017827	14,38093853	0,000438013	0,001342371
high mobility group 20 B	0,784983653	8,279100097	14,31042138	0,000448075	0,001370766
tuberous sclerosis 2	0,83517903	9,516048598	14,30512332	0,000448842	0,001370766
family with sequence similarity 116, member A	0,937895895	6,091193917	14,28484478	0,00045179	0,00137737
melanoregulin	0,966619289	8,172878796	14,25425959	0,000456279	0,001386989
P450 (cytochrome) oxidoreductase	0,916406045	8,421202299	14,25257617	0,000456527	0,001386989
H2-K region expressed gene 6	0,960312032	9,130964018	14,24042918	0,000458325	0,001390042
serpine1 mRNA binding protein 1	0,888871353	4,941336344	14,22857902	0,000460087	0,001392976
nucleoporin 93	0,888166901	9,5498182	14,22278612	0,000460951	0,001393186
RIKEN cDNA A930005H10 gene	0,741088444	5,698082186	14,19798468	0,000464672	0,0014011
nuclear RNA export factor 1 homolog (S. cerevisiae)	1,162197442	8,270459556	14,19469596	0,000465168	0,0014011
CD59a antigen	0,690687806	6,288636403	14,17817301	0,000467669	0,001405208
pyruvate dehydrogenase kinase, isoenzyme 3	0,927230361	7,760147444	14,1751038	0,000468136	0,001405208
serine/arginine-rich splicing factor 6	0,796061844	7,467512723	14,15804504	0,000470737	0,001410601
ribophorin II	0,937481729	11,89858131	14,14816715	0,000472251	0,001412723
UBX domain protein 8	1,027483114	6,43072277	14,13755407	0,000473883	0,001415192
ATPase inhibitory factor 1	1,023679097	13,50127773	14,08539497	0,000482002	0,00143699
RIKEN cDNA 2810407C02 gene	0,801198848	10,89868914	14,07863618	0,000483066	0,001437716
cholinergic receptor, nicotinic, beta polypeptide 1 (muscle)	0,920828833	6,138468708	14,04145191	0,000488967	0,00145181
RIKEN cDNA 1300010F03 gene	0,910833711	4,850894085	14,03837763	0,000489458	0,00145181
transmembrane protein 62	1,182163865	7,025929598	14,02053045	0,000492323	0,001457841
interleukin-1 receptor-associated kinase 1	0,929766467	8,207745494	14,00741535	0,00049444	0,001461641
cell adhesion molecule-related/down-regulated by oncogenes	0,802149691	5,820984955	13,96041642	0,000502114	0,001481827
activity regulated cytoskeletal-associated protein	0,771756381	9,031411	13,95240058	0,000503436	0,001483233
prune homolog (Drosophila)	0,782372017	7,799811781	13,93811396	0,000505803	0,001486477
zinc finger protein 710	0,711075869	8,053496021	13,93552589	0,000506233	0,001486477
ribosomal RNA processing 12 homolog (S. cerevisiae)	0,866399363	7,086007627	13,92524984	0,000507945	0,00148901
prolyl-tRNA synthetase domain containing 1	1,113438223	8,539404475	13,91972777	0,000508868	0,001489224
retinoblastoma binding protein 7	0,779252719	8,718074624	13,89110264	0,000513682	0,001498466
HtrA serine peptidase 2	1,005233375	8,421185348	13,8907862	0,000513735	0,001498466
hydroxysteroid (17-beta) dehydrogenase 11	1,06084223	9,822440425	13,85224625	0,0005203	0,001514696
thioredoxin-related transmembrane protein 4	0,806317314	6,671763765	13,84800926	0,000521028	0,001514696
membrane protein, palmitoylated 6 (MAGUK p55 subfamily member 6)	0,752988988	7,434601224	13,83383619	0,00052347	0,001519276
immunoglobulin superfamily, member 3	0,887124021	5,357767077	13,81318717	0,000527052	0,001523664
LSM2 homolog, U6 small nuclear RNA associated (S. cerevisiae)	0,940155419	7,272678774	13,81264904	0,000527145	0,001523664

maltase-glucoamylase	0,674466133	5,085259607	13,81010186	0,000527589	0,001523664
prokineticin receptor 1	0,836232384	5,332700449	13,76380802	0,000535732	0,001544634
leucine-rich repeat kinase 1	0,785555394	11,09623914	13,71732035	0,000544053	0,001566051
nudix (nucleoside diphosphate linked moiety X)-type motif 17	1,025970332	8,812948956	13,69737362	0,000547669	0,001571528
SMC hinge domain containing 1	0,881493971	8,119711513	13,69473473	0,00054815	0,001571528
ninein	0,956700211	7,59704738	13,69201501	0,000548645	0,001571528
integrin alpha M	0,680349175	5,170945453	13,67968402	0,000550899	0,00157541
coiled-coil domain containing 22	0,855659919	9,115583445	13,65343962	0,000555731	0,00158664
potassium inwardly-rectifying channel, subfamily K, member 6	0,855245829	9,782742765	13,64094187	0,00055805	0,001590668
mediator complex subunit 16	0,779574493	7,78273962	13,60718818	0,000564366	0,001604126
ATPase, H+ transporting, lysosomal accessory protein 1	0,833247653	12,48250504	13,60594017	0,000564601	0,001604126
ras homolog gene family, member B	0,874876849	7,863119565	13,5984795	0,000566009	0,001605524
apoptosis, caspase activation inhibitor	0,794402512	7,358086896	13,59199818	0,000567235	0,001606403
beta-site APP-cleaving enzyme 2	0,704338743	5,291104376	13,57432165	0,000570596	0,001613313
immunoglobulin superfamily, member 3	0,858586762	6,895520367	13,55455846	0,000574379	0,001621396
LysM, putative peptidoglycan-binding, domain containing 2	1,190549354	5,247174944	13,51111503	0,000582799	0,001639891
leucine zipper, putative tumor suppressor 2	0,762362591	6,736030341	13,51109766	0,000582802	0,001639891
centrosomal protein 170	0,822635592	9,475794438	13,49782861	0,000585402	0,001644566
isoamyl acetate-hydrolyzing esterase 1 homolog (S. cerevisiae)	1,152127848	8,40661176	13,45316554	0,00059425	0,001666753
NK2 transcription factor related, locus 4 (Drosophila)	0,730674615	4,684189759	13,44742071	0,0005954	0,001667309
kelch-like 6 (Drosophila)	0,720963923	7,363533871	13,44016567	0,000596855	0,001668718
solute carrier family 16 (monocarboxylic acid transporters), member 9	1,292850599	5,447346254	13,39707004	0,000605582	0,001690422
y-linked testis-specific protein 1-like	0,723759928	4,790572926	13,34209762	0,000616928	0,001719355
formin-like 3	0,789656636	7,303499886	13,31137991	0,000623374	0,001734562
kinesin family member 20B	0,989441204	5,14153948	13,28848501	0,000628228	0,0017453
olfactomedin 1	0,723001835	6,363885882	13,25718159	0,000634936	0,001759837
predicted gene, 20117	0,772390145	6,508932686	13,25471359	0,000635469	0,001759837
inositol polyphosphate-5-phosphatase F	0,913899549	7,616670011	13,24822962	0,00063687	0,001760935
family with sequence similarity 53, member B	0,742737414	6,028896227	13,18310979	0,000651139	0,001797553
MEF2 activating motif and SAP domain containing transcriptional regulator	0,840562292	5,15033075	13,16711902	0,000654698	0,001804538
pyrroline-5-carboxylate reductase-like	0,812998283	7,21940332	13,15769679	0,000656806	0,001807506
ribosomal protein L21	0,693808622	5,283630032	13,09454334	0,000671137	0,00184405
RIKEN cDNA 2810008M24 gene	0,989096295	8,878915325	13,07994517	0,000674501	0,001850392
esterase D/formylglutathione hydrolase	1,276629003	6,035110706	13,05705006	0,000679815	0,001862056
sel-1 suppressor of lin-12-like 3 (C. elegans)	0,674611556	5,332201027	13,04591771	0,000682417	0,00186535
transcription elongation factor A (SII), 2	1,138536303	6,304114114	13,04280581	0,000683146	0,00186535
euchromatic histone methyltransferase 1	0,971976566	5,091805454	13,03729077	0,00068444	0,001865978
family with sequence similarity 40, member B	0,922099199	8,906832085	13,03129884	0,00068585	0,001866917
regulator of telomere elongation helicase 1	0,775375624	5,859801083	13,0142553	0,000689878	0,00187497
suppression of tumorigenicity 14 (colon carcinoma)	0,820587115	5,231294409	13,00398311	0,000692318	0,001878691
transmembrane emp24 domain containing 3	0,736448016	6,957888501	12,99858187	0,000693606	0,001879275
keratin 20	0,691736918	4,958214481	12,89838735	0,000717991	0,001942342
sno, strawberry notch homolog 1 (Drosophila)	0,766172855	8,036779056	12,87247278	0,000724457	0,001956814
elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 1	0,743051355	10,73937341	12,8323343	0,000734604	0,00198117
solute carrier family 30 (zinc transporter), member 5	0,718101326	8,254557122	12,80005294	0,000742883	0,001997733
cysteine and histidine rich 1	0,933787261	7,847983017	12,79950593	0,000743024	0,001997733
arginine/serine-rich coiled-coil 1	0,715719637	6,85650999	12,79484031	0,00074423	0,00199791
selenoprotein N, 1	0,796954178	7,916543822	12,76536453	0,000751899	0,002011006
leucine zipper protein 1	0,852943763	7,606680251	12,75992409	0,000753325	0,002011006
glycerophosphocholine phosphodiesterase GDE1 homolog (S. cerevisiae)	1,023083592	10,10226718	12,75305385	0,000755129	0,002011006
heparan-alpha-glucosaminide N-acetyltransferase	0,697882359	10,02586768	12,74626986	0,000756916	0,002011006
caspase 1	1,174305227	11,84727583	12,74481851	0,000757299	0,002011006
retinol saturase (all trans retinol 13,14 reductase)	0,846567391	5,977046695	12,74273432	0,000757849	0,002011006
suppressor of variegation 3-9 homolog 1 (Drosophila)	0,927682957	6,068238483	12,73965755	0,000758662	0,002011006
RAS-like, family 11, member B	0,669614075	5,116842998	12,73880106	0,000758889	0,002011006
hairy/enhancer-of-split related with YRPW motif 1	0,800952291	5,126452052	12,73674458	0,000759433	0,002011006
RIKEN cDNA 1700021K19 gene	0,746216419	7,72077805	12,73160795	0,000760794	0,002011572
histone cluster 1, H4k	0,695889145	5,800341827	12,72538282	0,000762448	0,002012908
regulator of telomere elongation helicase 1	0,864544946	6,274768836	12,70310039	0,0007684	0,002025571
spermidine synthase	0,953340013	6,331525887	12,69421033	0,000770789	0,00202882
nucleoporin 210	1,01045065	9,396075845	12,66112874	0,000779757	0,002048407
tumor necrosis factor, alpha-induced protein 2	0,925627217	8,670758291	12,65777314	0,000780673	0,002048407
amyloid beta (A4) precursor protein-binding, family B, member 1 interacting protein	0,812415379	6,769428072	12,65388421	0,000781737	0,002048407
SEC63-like (S. cerevisiae)	0,767393837	9,307006876	12,64872475	0,00078315	0,002049048
zinc finger protein 36, C3H type-like 1	0,851806161	6,086984556	12,64328734	0,000784643	0,002049894
integral membrane protein 2B	0,999618084	11,26338693	12,63328848	0,000787396	0,002054026
cDNA sequence BC005537	0,783798142	8,464609737	12,62156251	0,00079064	0,002059422
testis expressed gene 2	0,902848427	5,892410923	12,61256106	0,00079314	0,002060322
sine oculis-binding protein homolog (Drosophila)	0,727349055	4,920876729	12,61185738	0,000793335	0,002060322
CKLF-like MARVEL transmembrane domain containing 7	1,082193697	9,596973666	12,59136459	0,000799063	0,002072126
family with sequence similarity 113, member A	0,995792197	6,40115892	12,58559471	0,000800684	0,002073263
macrophage expressed gene 1	0,732180687	11,79658516	12,57240858	0,000804403	0,00207982
muscleblind-like 1 (Drosophila)	0,80758914	11,46100187	12,55011476	0,000810736	0,002092862
gasdermin D	0,881122096	9,439454896	12,54626587	0,000811835	0,002092862
dedicator of cytokinesis 4	0,732458534	5,160566096	12,5183131	0,000819868	0,002110469
isocitrate dehydrogenase 3 (NAD+) alpha	0,885778441	6,202224979	12,49732176	0,000825961	0,002123035
elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 1	0,762885542	8,284404134	12,49152537	0,000827653	0,002124269
transmembrane emp24 domain containing 3	0,965695046	7,51967142	12,48711129	0,000828944	0,002124471
RIKEN cDNA 2310009B15 gene	0,918892981	8,130366172	12,45572152	0,00083819	0,002141986
GDNF-inducible zinc finger protein 1	0,747165057	8,154765223	12,45561489	0,000838222	0,002141986
single stranded DNA binding protein 4	0,827908054	4,992547852	12,44688557	0,000840814	0,002145484

tudor domain containing 3	0,790950307	6,971712057	12,36797643	0,000864671	0,002203151
adaptor protein complex AP-1, gamma 2 subunit	0,832303152	4,695590696	12,34689287	0,000871176	0,002216504
suppressor of variegation 4-20 homolog 2 (Drosophila)	0,912021359	9,416638512	12,3388211	0,000873681	0,002219657
acyl-Coenzyme A binding domain containing 6	1,061510338	5,426826128	12,31669754	0,00088059	0,002233972
interferon regulatory factor 2	0,807227702	11,19282008	12,30974236	0,000882775	0,002236279
lysophosphatidic acid receptor 3	0,832147482	5,217042595	12,30163078	0,000885331	0,002239518
RNA binding motif protein, X chromosome	1,002056652	7,357897951	12,29277489	0,000888132	0,002243364
solute carrier family 30 (zinc transporter), member 5	0,703809539	8,299285532	12,27701589	0,00089314	0,002252769
aconitase 2, mitochondrial	0,805535281	9,545048044	12,2707943	0,000895126	0,002253638
cartilage oligomeric matrix protein	1,03129616	5,166094183	12,26788786	0,000896056	0,002253638
autophagy-related 7 (yeast)	0,653168064	5,686463174	12,22643189	0,000909436	0,002284014
lipase, family member N	0,713255611	5,233189954	12,2184011	0,000912055	0,002285095
polyhomeotic-like 2 (Drosophila)	0,771304073	10,35851812	12,21711942	0,000912474	0,002285095
haloacid dehalogenase-like hydrolase domain containing 2	0,793101401	6,201045654	12,21218903	0,000914086	0,002285868
toll-like receptor 13	0,703591434	5,275345128	12,1773971	0,00092556	0,002311263
selenoprotein X 1	1,049213908	10,06369872	12,12302425	0,000943823	0,002353517
vacuolar protein sorting 33A (yeast)	0,769401777	7,990430095	12,10571004	0,000949725	0,002364859
suppressor of Ty 6 homolog (S. cerevisiae)	0,755507115	10,94699787	12,10178325	0,00095107	0,002364859
nuclear receptor coactivator 4	0,822852674	8,479017669	12,07470696	0,0009604	0,002384676
CD8 antigen, alpha chain	0,735613558	5,200005094	12,06223884	0,000964732	0,002392043
major facilitator superfamily domain containing 10	0,746091106	8,721590476	12,03942704	0,000972715	0,002405103
ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 1	0,782185465	5,306928383	12,03934776	0,000972743	0,002405103
integral membrane protein 2B	0,993392649	14,16318245	12,0298408	0,000976092	0,002406047
solute carrier family 16 (monocarboxylic acid transporters), member 10	0,69482415	5,956232722	12,02972447	0,000976133	0,002406047
ATP-binding cassette, sub-family A (ABC1), member 7	0,766253991	9,403040651	12,02658577	0,000977242	0,002406047
UDP-glucose pyrophosphorylase 2	1,10348529	7,175485105	12,01839774	0,000980142	0,002409801
StAR-related lipid transfer (START) domain containing 5	0,745296715	7,99614866	11,99487936	0,000988524	0,002427007
eukaryotic translation elongation factor 2	0,769854176	8,829242347	11,98385489	0,000992482	0,002433317
histocompatibility 13	1,090696549	8,031886343	11,97935964	0,000994101	0,002433882
adenylosuccinate synthetase like 1	0,841729594	8,415811441	11,94583283	0,001006272	0,002460245
nicotinate phosphoribosyltransferase domain containing 1	0,908612284	5,562508787	11,93169088	0,001011457	0,002469477
tumor necrosis factor, alpha-induced protein 2	0,965026573	11,17316284	11,92692218	0,001013213	0,002470323
CD151 antigen	0,79836641	7,464528488	11,90170499	0,001022553	0,002489633
chromatin licensing and DNA replication factor 1	0,783878708	7,697375881	11,89569796	0,001024793	0,002491625
ring finger protein 13	0,777966841	7,910461138	11,87256448	0,00103347	0,002509243
endoplasmic reticulum protein 29	0,888000822	12,54642122	11,85830665	0,00103886	0,002518841
gasdermin D	0,930778014	8,420543963	11,85196065	0,00104127	0,002521196
nucleoredoxin	0,775752272	5,215754075	11,84765383	0,001042909	0,002521681
syntaxin binding protein 5 (tomosyn)	0,921251339	7,725441614	11,83216666	0,001048826	0,002532496
protein inhibitor of activated STAT 1	0,868259631	9,405320644	11,82444633	0,001051791	0,002536161
transmembrane protein 14C	0,781542731	10,61032494	11,80954079	0,001057541	0,002543873
mediator of RNA polymerase II transcription, subunit 12 homolog (yeast)	0,827429145	7,809461911	11,80537571	0,001059154	0,002543873
cysteine sulfinic acid decarboxylase	0,765730643	6,082990987	11,80059	0,001061012	0,002543873
sporulation protein, meiosis-specific, SPO11 homolog (S. cerevisiae)	0,9938141	6,947396943	11,798455	0,001061841	0,002543873
DNA topoisomerase 1, mitochondrial	0,856717588	5,666546179	11,79741811	0,001062245	0,002543873
NADH dehydrogenase (ubiquinone) 1 beta subcomplex 8	0,996226254	12,09113015	11,74994486	0,001080896	0,002585008
tumor necrosis factor receptor superfamily, member 18	0,603445389	5,822669803	11,74197217	0,001084065	0,002589054
catenin (cadherin associated protein), alpha 1	0,950542987	13,56499955	11,71918483	0,001093181	0,002604097
transmembrane protein 214	0,904730247	5,322600363	11,7187407	0,00109336	0,002604097
transient receptor potential cation channel, subfamily C, member 2	0,893075694	5,176207502	11,71331984	0,001095542	0,002604097
YdjC homolog (bacterial)	0,776170204	5,54284074	11,71142612	0,001096306	0,002604097
proline dehydrogenase	0,964800683	5,889472743	11,69116373	0,001104513	0,002620041
predicted gene 962	1,118695787	5,720818267	11,67010001	0,001113119	0,002635195
expressed sequence C87436	0,836724028	6,826252559	11,66817969	0,001113908	0,002635195
transmembrane protein 87B	0,765448975	6,381096135	11,63624954	0,001127112	0,002662839
mitochondrial carrier homolog 2 (C. elegans)	0,950224682	7,500712106	11,61395936	0,001136436	0,002681254
solute carrier family 6 (neurotransmitter transporter, taurine), member 6	0,82710975	12,95133504	11,60621618	0,001139695	0,002685331
protein inhibitor of activated STAT 1	0,846111143	9,501547327	11,58887605	0,001147034	0,002695613
cyclin-dependent kinase 19	0,944770317	6,853334003	11,58863942	0,001147135	0,002695613
RIKEN cDNA I830077J02 gene	0,911284476	6,207386963	11,57366293	0,001153517	0,002702772
Yip1 interacting factor homolog A (S. cerevisiae)	0,812196007	7,634659824	11,57274348	0,001153911	0,002702772
PH domain and leucine rich repeat protein phosphatase 1	0,896692842	5,696700149	11,56828691	0,001155819	0,002702772
zinc finger protein 277	0,997242702	5,960915068	11,56705047	0,001156349	0,002702772
Kruppel-like factor 13	0,909275238	6,563884211	11,56176233	0,001158618	0,002704471
membrane-associated ring finger (C3HC4) 6	0,737400387	7,149268168	11,51730806	0,001177902	0,002743717
ribosomal protein L38	1,12610591	8,787148116	11,51272828	0,00117991	0,002743717
profilin 2	0,775623924	6,385198955	11,51223351	0,001180127	0,002743717
DDRGK domain containing 1	1,010561678	10,59700729	11,50704205	0,001182408	0,002745379
polycomb group ring finger 1	0,836233217	8,629162231	11,49619542	0,00118719	0,002752836
transmembrane protein 141	0,81583197	6,948511858	11,48944536	0,001190177	0,002756116
ectonucleotide pyrophosphatase/phosphodiesterase 1	0,644773522	5,017375299	11,47164821	0,001198094	0,002770789
transmembrane protein 43	0,964919229	9,332495194	11,45667566	0,001204801	0,00278263
E2F transcription factor 6	0,870272161	7,721708727	11,4471122	0,001209108	0,002788902
meteorin, glial cell differentiation regulator	0,765114346	5,420429114	11,44012931	0,001212263	0,002792507
RAS p21 protein activator 2	1,11688296	7,297006454	11,43572172	0,00121426	0,002793436
RIKEN cDNA 3110001D03 gene	0,889275087	10,25636351	11,43203289	0,001215934	0,002793621
family with sequence similarity 50, member A	0,768759891	9,506627443	11,4220104	0,001220496	0,002800431
glutamate oxaloacetate transaminase 2, mitochondrial	0,836162865	11,89771026	11,40332159	0,001229055	0,002816382
Bernardinelli-Seip congenital lipodystrophy 2 homolog (human)	1,078905369	10,76144641	11,39910614	0,001230995	0,002817145
nucleosome assembly protein 1-like 1	0,935551223	10,32544121	11,38510013	0,001237465	0,002828262
TBC1 domain family, member 13	0,797017489	8,908258523	11,36872513	0,00124508	0,002841961

purinergic receptor P2Y, G-protein coupled 1	0,754643173	6,696291977	11,35920278	0,001249533	0,002848416
Yip1 interacting factor homolog B (S. cerevisiae)	0,904476473	9,403343024	11,35463018	0,001251678	0,0028496
asparagine-linked glycosylation 8 homolog (yeast, alpha-1,3-glucosyltransferase)	1,002799901	5,286149123	11,34759184	0,001254988	0,002853429
XRCC6 binding protein 1	0,796566558	7,372455563	11,33540196	0,001260744	0,002858275
coiled-coil-helix-coiled-coil-helix domain containing 4	1,084291552	8,024350355	11,33318754	0,001261792	0,002858275
transmembrane protein 147	0,817282596	10,09040342	11,33272707	0,001262011	0,002858275
nicotinate phosphoribosyltransferase domain containing 1	1,1814517	7,874555164	11,32281242	0,00126672	0,002865238
MTOR associated protein, LST8 homolog (S. cerevisiae)	0,874044087	8,947272448	11,31469447	0,001270591	0,00287029
reversion-inducing-cysteine-rich protein with kazal motifs	0,803542501	5,140097644	11,3010487	0,001277128	0,002881345
aldo-keto reductase family 1, member A4 (aldehyde reductase)	0,974313821	12,89477047	11,29735961	0,001278902	0,002881638
asparagine-linked glycosylation 5 homolog (yeast, dolichyl-phosphate beta-glucosyltransferase)	0,916754632	9,84767065	11,29152161	0,001281715	0,00288427
COX15 homolog, cytochrome c oxidase assembly protein (yeast)	0,825050445	7,721257604	11,27165605	0,00129134	0,002902204
Spi-B transcription factor (Spi-1/PU.1 related)	0,762187407	5,009015187	11,25183381	0,001301027	0,002919717
growth factor receptor bound protein 2-associated protein 3	0,735467988	4,761908695	11,24890934	0,001302464	0,002919717
oligosaccharyltransferase 4 homolog (S. cerevisiae)	1,114251684	7,48833263	11,23480904	0,001309414	0,00292972
tRNA splicing endonuclease 15 homolog (S. cerevisiae)	0,842943642	6,287399014	11,2330819	0,001310268	0,00292972
serine palmitoyltransferase, long chain base subunit 1	0,791695776	8,887227768	11,22256702	0,001315483	0,002937632
alpha 1,3-galactosyltransferase 2 (isoglobotriaosylceramide synthase)	0,690855638	5,458154261	11,21727895	0,001318114	0,002939764
small cell adhesion glycoprotein	0,828545789	5,261171675	11,18983115	0,001331871	0,00296667
sigma non-opioid intracellular receptor 1	0,673036729	6,754405978	11,18269795	0,001335472	0,002970918
vitamin K epoxide reductase complex, subunit 1-like 1	0,737340889	7,518858064	11,16673199	0,001343575	0,002985154
translocating chain-associating membrane protein 1	0,882726358	9,19892187	11,16028089	0,001346865	0,002988676
Rab interacting lysosomal protein-like 2	0,730183424	8,329734088	11,15547844	0,00134932	0,002990338
mitochondrial ribosomal protein S26	0,726113527	7,230266081	11,13849146	0,001358045	0,003005875
BCL2-associated athanogene 3	0,805898784	10,87836614	11,13456388	0,001360072	0,003006564
guanine nucleotide binding protein (G protein), beta 5	0,805576477	6,653911382	11,11693911	0,001369209	0,003020972
rogdi homolog (Drosophila)	0,872730078	11,10052435	11,1153499	0,001370036	0,003020972
SERTA domain containing 2	0,798481065	8,744578923	11,1071645	0,001374306	0,003026581
oxoglutarate dehydrogenase (lipoamide)	1,070592616	7,673463171	11,10115774	0,00137745	0,003029698
kinase D-interacting substrate 220	0,789751781	9,653523376	11,09125366	0,001382651	0,003037326
family with sequence similarity 116, member A	0,839074602	8,653271736	11,05920386	0,001399636	0,003064215
protein phosphatase 3, catalytic subunit, beta isoform	0,888352878	9,885209601	11,05743442	0,001400581	0,003064215
coiled-coil and C2 domain containing 2A	1,12506012	7,023792109	11,05727174	0,001400668	0,003064215
solute carrier family 17, member 9	0,897338026	5,100341012	11,05499816	0,001401883	0,003064215
CHK2 checkpoint homolog (S. pombe)	0,659219508	5,599947189	11,0319866	0,001414248	0,003087394
sorting nexin 15	0,890254113	8,775184895	11,00657482	0,00142805	0,003113645
dehydrogenase/reductase (SDR family) member 4	0,906895314	5,682071015	10,99313155	0,001435413	0,003125812
histone cluster 1, H4j	0,724009982	6,49645455	10,98576797	0,001439465	0,003130747
small nucleolar RNA, H/ACA box 65	0,927783907	5,812607372	10,96770908	0,001449457	0,003148573
major facilitator superfamily domain containing 11	0,782047608	6,997517664	10,95551132	0,001456252	0,003159418
eyes absent 3 homolog (Drosophila)	0,75506416	5,221157831	10,94442656	0,001462458	0,00316896
solute carrier family 9 (sodium/hydrogen exchanger), member 1	0,788302579	9,112411118	10,92438543	0,001473756	0,003189499
H3 histone, family 3A	0,979151903	12,57265518	10,91949132	0,00147653	0,003191562
transmembrane protein 150A	0,729716724	6,136137468	10,91024177	0,001481789	0,003198986
TNF receptor-associated protein 1	0,869399979	8,539716192	10,88733463	0,001494907	0,003223336
general transcription factor II H, polypeptide 1	0,776570291	10,00223423	10,88114176	0,001498476	0,003227062
ATPase, H+ transporting, lysosomal V1 subunit H	0,956386018	10,58826983	10,86658613	0,001506904	0,003237934
LanC (bacterial lantibiotic synthetase component C)-like 2	1,127050998	6,798187656	10,86604388	0,001507219	0,003237934
transmembrane channel-like gene family 6	0,881276924	7,28559529	10,85357433	0,001514483	0,003249559
MTOR associated protein, LST8 homolog (S. cerevisiae)	0,774689497	8,333030659	10,84823132	0,001517608	0,003252283
aminopeptidase-like 1	0,768936285	7,500837006	10,82614722	0,001530604	0,003276128
DNA cross-link repair 1C, PSO2 homolog (S. cerevisiae)	1,047374368	5,865839673	10,81959086	0,001534487	0,003280433
PQ loop repeat containing	0,817874873	10,31668173	10,81509619	0,001537155	0,003282135
solute carrier family 41, member 3	0,712581128	5,93423717	10,80235659	0,001544747	0,003294332
programmed cell death 4	0,734680939	9,046404555	10,79296074	0,001550373	0,003302314
cDNA sequence BC067068	0,801790941	5,654114356	10,78639752	0,001554318	0,003306698
actin related protein 2/3 complex, subunit 1B	0,808389063	11,64462674	10,77753611	0,001559662	0,003314045
inositol polyphosphate 5-phosphatase K	0,881690606	11,18147201	10,75939783	0,001570666	0,003332595
Yip1 interacting factor homolog A (S. cerevisiae)	0,959140963	8,853772051	10,7568903	0,001572194	0,003332595
aconitase 2, mitochondrial	0,798377476	8,862647589	10,74490382	0,001579523	0,003344086
tubulin, beta 2B	0,952560218	5,482399454	10,73403423	0,001586203	0,003354177
mitochondrial carrier homolog 2 (C. elegans)	0,956218938	7,428428438	10,70503508	0,001604183	0,003388112
zinc and ring finger 2	0,809562193	9,468391748	10,6993955	0,001607707	0,003388556
mitochondrial ribosomal protein L48	1,046220558	9,208967237	10,69851207	0,00160826	0,003388556
Ras interacting protein 1	0,939677883	5,768881729	10,69111678	0,001612896	0,003394245
influenza virus NS1A binding protein	0,896032175	9,599221283	10,65424161	0,001636243	0,003439249
dehydrogenase/reductase (SDR family) X chromosome	1,050278872	7,494827404	10,63219219	0,001650388	0,003460501
Fas-associated factor 1	1,16080797	5,769934567	10,62998195	0,001651814	0,003460501
predicted gene 4076	0,876413188	9,974305803	10,62926661	0,001652275	0,003460501
methyl-CpG binding domain protein 3	0,836976698	6,887962992	10,62518083	0,001654915	0,003461894
centromere protein B	0,899612888	10,30945509	10,61340629	0,001662551	0,003472883
degenerative spermatocyte homolog 1 (Drosophila)	0,796243637	12,10310842	10,61097696	0,001664131	0,003472883
thrombospondin 2	1,033126141	5,05648926	10,60566243	0,001667594	0,003475972
importin 5	0,825588146	7,771178891	10,5957278	0,00167409	0,003485368
ArfGAP with dual PH domains 2	0,719069535	5,72328241	10,59120745	0,001677055	0,003486353
cysteine and glycine-rich protein 2 binding protein	0,802191441	8,992763869	10,5889468	0,001678541	0,003486353
BCL6 interacting corepressor	0,790441199	6,428519033	10,57116172	0,001690278	0,003504841
hydroxyacylglutathione hydrolase-like	0,87167845	9,851702716	10,56940796	0,001691441	0,003504841
ubiquitin-like 3	0,883194569	10,56085759	10,56472061	0,001694552	0,003505491
CDC like kinase 4	0,827673198	10,29928709	10,5629132	0,001695754	0,003505491
LIM and SH3 protein 1	0,800677753	12,1514942	10,54362341	0,001708639	0,003523253

aarF domain containing kinase 5	0,993905977	7,157079189	10,54293562	0,0017091	0,003523253
baculoviral IAP repeat-containing 5	0,709079191	5,198490146	10,54103557	0,001710376	0,003523253
clathrin, light polypeptide (Lca)	0,908853236	12,2556212	10,53406826	0,001715063	0,003523309
nucleoporin 214	0,812184463	6,254451903	10,53220171	0,001716321	0,003523309
tuberous sclerosis 2	0,861429027	8,904210601	10,53203621	0,001716432	0,003523309
eukaryotic translation elongation factor 1 gamma	0,799677767	13,07943857	10,52834419	0,001718924	0,003524297
extended synaptotagmin-like protein 2	0,774503953	5,99176912	10,52498038	0,001721198	0,003524837
tumor protein D52	0,744132643	11,49242892	10,51621081	0,001727143	0,003532883
carbohydrate (N-acetylglucosamino) sulfotransferase 7	0,891686911	8,980396697	10,51018899	0,001731238	0,003537134
tRNA methyltransferase 61 homolog A (S. cerevisiae)	0,837839568	7,603708636	10,50697744	0,001733427	0,003537483
RasGEF domain family, member 1A	0,720405043	4,861771262	10,50343223	0,001735847	0,003538302
asparagine-linked glycosylation 3 homolog (yeast, alpha-1,3-mannosyltransferase)	0,958282923	6,419511177	10,49388687	0,001742382	0,003547497
SET domain containing (lysine methyltransferase) 8	0,909248331	7,67558981	10,49061691	0,001744627	0,003547948
ankyrin repeat domain 13b	0,707601203	4,966636663	10,47636263	0,001754452	0,003562558
tubulin, beta 2B	0,801433896	5,144272158	10,47430551	0,001755876	0,003562558
arylformamidase	0,712329725	5,60296753	10,46788724	0,001760325	0,003567456
arginyltransferase 1	0,942460907	9,015112472	10,46033448	0,001765577	0,003571301
RIKEN cDNA 1300010F03 gene	0,867390371	4,901766865	10,45930132	0,001766296	0,003571301
minichromosome maintenance deficient 5, cell division cycle 46 (S. cerevisiae)	0,934480467	8,155607033	10,45596494	0,001768623	0,003571886
DAZ associated protein 1	0,858665522	10,46111692	10,45249581	0,001771046	0,003572663
WW domain binding protein 1	0,797247001	7,061775822	10,40407664	0,001805267	0,00363751
amyloid beta (A4) precursor protein-binding, family B, member 1 interacting protein	1,042530012	6,257873094	10,38671128	0,001817725	0,003658406
selectin, platelet (p-selectin) ligand	0,870029903	9,575036454	10,38023714	0,001822394	0,003663597
SH3 domain binding glutamic acid-rich protein-like 3	0,859489373	13,41193516	10,36950185	0,001830168	0,00367501
chemokine (C-X-C motif) ligand 14	0,797758627	5,067431113	10,36413101	0,001834071	0,003678634
TSPY-like 3	0,947025801	7,460910633	10,33558863	0,001854975	0,003716309
family with sequence similarity 13, member B	0,779772518	8,544002898	10,31692113	0,001868794	0,003738547
abhydrolase domain containing 11	0,950782302	7,288176094	10,31484316	0,00187034	0,003738547
DEAD (Asp-Glu-Ala-Asp) box polypeptide 18	0,868165163	9,706299741	10,30981072	0,001874089	0,003738653
leukocyte immunoglobulin-like receptor subfamily A member 2-like	1,095701336	5,429875145	10,30904748	0,001874658	0,003738653
actin, beta	0,7977856	10,09653581	10,3055443	0,001877274	0,00373949
solute carrier family 35, member C2	0,72959925	6,808847198	10,30158498	0,001880236	0,00373949
succinate-CoA ligase, GDP-forming, alpha subunit	0,923417982	11,11325258	10,29992748	0,001881477	0,00373949
envelope glycoprotein-like	0,86462297	11,02931222	10,29303479	0,00188665	0,003744359
RIKEN cDNA 9430015G10 gene	0,609868299	5,586776489	10,29097402	0,001888199	0,003744359
tumor necrosis factor, alpha-induced protein 2	0,998507684	9,4054205	10,27577324	0,001899675	0,003762859
NCK associated protein 1 like	0,846511012	11,25962469	10,2674411	0,001905999	0,003771125
MTOR associated protein, LST8 homolog (S. cerevisiae)	0,8543376	9,051569378	10,26428561	0,0019084	0,003771619
interleukin-1 receptor-associated kinase 4	1,015283847	5,98352593	10,22117431	0,001941558	0,003832828
ryanodine receptor 3	0,717622493	4,847725117	10,21721357	0,001944637	0,003834589
sortilin-related receptor, LDLR class A repeats-containing	0,685586861	7,050171219	10,20931057	0,001950798	0,003842415
phenylalanyl-tRNA synthetase, beta subunit	0,90741147	9,631406931	10,19670172	0,001960674	0,003857533
granule cell antiserum positive 14	0,813739752	9,478963938	10,18747711	0,001967936	0,003867479
methylenetetrahydrofolate dehydrogenase (NAD+ dependent), methenyltetrahydrofolate cyclohyd	0,901316472	12,51361953	10,15489326	0,001993833	0,003913588
tumor necrosis factor receptor superfamily, member 26	0,773666125	5,367207512	10,15236014	0,001995863	0,003913588
cytidine 5'-triphosphate synthase 2	0,883802247	5,698445383	10,1440763	0,002002517	0,003922248
succinate dehydrogenase complex assembly factor 1	0,960135813	9,209510218	10,13990907	0,002005874	0,003924438
lysosomal-associated membrane protein 2	0,989826222	11,46253677	10,13519183	0,002009681	0,003927504
erythrocyte protein band 4.9	0,690059746	4,771516983	10,12329913	0,002019318	0,003940326
solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocator), member 5	0,852938572	12,97508367	10,12155262	0,002020738	0,003940326
pyruvate dehyrogenase phosphatase catalytic subunit 1	0,92139465	5,710175979	10,11345246	0,002027337	0,003948802
ATPase family, AAA domain containing 3A	1,108409498	8,195463378	10,10894871	0,002031017	0,003951579
cytochrome c oxidase, subunit Va	0,916065372	12,43417201	10,08538485	0,002050395	0,003984859
poliovirus receptor-related 1	0,990272466	5,223092648	10,08182823	0,002053339	0,003985099
glucuronidase, beta	0,963988505	8,655347447	10,07974467	0,002055065	0,003985099
nudix (nucleoside diphosphate linked moiety X)-type motif 8	0,928186834	7,026362904	10,07620611	0,002058001	0,003986382
defender against cell death 1	0,959284608	11,01071435	10,06718669	0,002065506	0,003996504
lysophosphatidylcholine acyltransferase 3	0,716561271	8,127920116	10,04429726	0,002084695	0,004027334
DPH3 homolog (KTI11, S. cerevisiae)	1,057298076	6,152347453	10,04270778	0,002086035	0,004027334
RAB39, member RAS oncogene family	1,104902958	5,684053012	10,03451727	0,002092956	0,004033912
acyl-Coenzyme A dehydrogenase, very long chain	0,838595433	7,563381371	10,03323115	0,002094045	0,004033912
vitamin K epoxide reductase complex, subunit 1-like 1	0,86510126	9,211253123	10,02083717	0,002104574	0,004049745
DnaJ (Hsp40) homolog, subfamily C, member 2	0,929337551	9,077671396	10,01223766	0,002111915	0,004059416
RIKEN cDNA 2810407C02 gene	0,966240347	10,73389662	9,997716536	0,002124378	0,004078899
cytochrome b5 reductase 4	1,057932218	9,717125767	9,987866833	0,00213288	0,004090742
protein tyrosine phosphatase, receptor type, O	0,706471564	6,656057217	9,964489979	0,002153214	0,004125229
ribosome binding protein 1	0,998347844	8,222292943	9,951596192	0,002164525	0,004142372
steroid 5 alpha-reductase 3	0,980248438	9,086095597	9,9398152	0,002174919	0,004157725
tRNA splicing endonuclease 15 homolog (S. cerevisiae)	1,026908442	7,33332791	9,926421574	0,002186806	0,004168057
amyloid beta (A4) precursor protein-binding, family B, member 1 interacting protein	0,947164818	6,347826945	9,926109576	0,002187084	0,004168057
solute carrier family 29 (nucleoside transporters), member 1	0,945919371	4,82203969	9,924749022	0,002188296	0,004168057
tripartite motif-containing 33	1,008950554	6,93764869	9,923022134	0,002189835	0,004168057
opioid growth factor receptor-like 1	0,986809858	10,41788375	9,908183935	0,002203112	0,004188779
glutathione transferase zeta 1 (maleylacetoacetate isomerase)	1,014195647	7,014350192	9,893858166	0,002216017	0,004208753
solute carrier family 35, member A5	0,906340927	4,756152172	9,871622499	0,002236221	0,004242528
RIKEN cDNA 1110018J18 gene	0,783626584	5,733858619	9,864475435	0,00224276	0,004249279
deltex 4 homolog (Drosophila)	0,928523222	6,348389296	9,862438819	0,002244628	0,004249279
RIKEN cDNA 6330578E17 gene	0,905105178	10,18855333	9,852149636	0,002254089	0,004262586
zinc finger, DHHC domain containing 9	0,789309267	6,119157866	9,835906232	0,002269118	0,004281894
phosphatase, orphan 1	0,79753181	4,833769539	9,835835196	0,002269184	0,004281894
general transcription factor III A	0,960835279	8,781427183	9,827450244	0,002276987	0,004291999

ubiquitin specific peptidase 36	0,900535284	5,995860127	9,816745183	0,002286995	0,004306232
FYVE, RhoGEF and PH domain containing 4	0,861232863	5,018124002	9,811205169	0,002292194	0,00431139
MYC binding protein 2	0,832207026	8,051310696	9,796120963	0,002306418	0,004333494
phosphoribosylglycinamide formyltransferase	0,830904794	6,995882897	9,789433026	0,002312757	0,004340752
family with sequence similarity 116, member A	0,802411703	6,845913725	9,784129936	0,002317797	0,00434556
transmembrane protein 43	0,849322801	8,968669203	9,753437937	0,002347218	0,004396018
TRAF3 interacting protein 3	0,72919165	5,361268461	9,742589412	0,00235772	0,004410974
eukaryotic translation initiation factor 3, subunit B	0,885987	7,502896602	9,724146486	0,002375697	0,004439868
solute carrier family 36 (proton/amino acid symporter), member 1	0,998077178	5,716181381	9,716929538	0,002382774	0,004448352
eukaryotic translation initiation factor 3, subunit L	0,854324712	10,35765353	9,711798394	0,00238782	0,004453031
NUAK family, SNF1-like kinase, 1	0,787077277	7,697641275	9,705189946	0,002394338	0,004458018
ceroid lipofuscinosis, neuronal 3, juvenile (Batten, Spielmeyer-Vogt disease)	0,782414464	9,632990361	9,703932264	0,002395581	0,004458018
ceroid-lipofuscinosis, neuronal 6	0,713530943	5,699610734	9,696448759	0,002402991	0,004467065
mitochondrial ribosomal protein L11	0,842154765	8,510826711	9,666386687	0,002433022	0,004513277
zinc finger protein 787	0,815788308	9,51184861	9,666150576	0,00243326	0,004513277
ribosomal protein S27A	0,899682368	8,981579167	9,663852685	0,002435573	0,004513277
branched chain ketoacid dehydrogenase kinase	0,881691471	7,981014247	9,643967935	0,002455699	0,004545765
eukaryotic translation initiation factor 3, subunit L	0,939253097	11,48458856	9,638670184	0,002461093	0,004550944
UHRF1 (ICBP90) binding protein 1	0,7268537	7,224741297	9,620956799	0,002479227	0,004579646
epidermal growth factor receptor pathway substrate 15-like 1	0,769447597	7,898920865	9,603572733	0,002497173	0,004604125
myxovirus (influenza virus) resistance 1	0,899184129	8,769704172	9,603033983	0,002497731	0,004604125
Coenzyme A synthase	0,997591087	7,852136589	9,582406766	0,002519224	0,004638865
netrin 5	0,808456032	5,187080047	9,545496001	0,002558216	0,004705721
ATG13 autophagy related 13 homolog (S. cerevisiae)	0,749719399	7,109914709	9,53132779	0,002573366	0,004728628
zinc finger protein 518B	0,803240401	7,08486485	9,52077063	0,002584722	0,004736236
glucosidase, alpha, acid	0,859125883	8,391323247	9,520233629	0,002585301	0,004736236
RIKEN cDNA 2410002F23 gene	0,714634717	6,424614421	9,519945361	0,002585612	0,004736236
pitrilysin metallepetidase 1	0,884035262	8,313650535	9,514073487	0,002591956	0,0047429
ribosomal protein S2	0,944666328	13,6623786	9,504040677	0,002602836	0,004757843
circadian locomotor output cycles kaput	0,837281387	8,114670528	9,482781667	0,002626064	0,004795301
WW domain binding protein 1	0,758960662	6,733599159	9,47449819	0,002635178	0,004803359
RAS protein activator like 2	0,818734708	5,400807828	9,473792872	0,002635956	0,004803359
40S ribosomal protein SA-like	0,795061434	9,580703735	9,466385782	0,00264414	0,004813269
DEAH (Asp-Glu-Ala-His) box polypeptide 35	0,93433779	6,959343538	9,453649508	0,002658281	0,00483399
exosome component 7	0,924129852	10,16476043	9,429168537	0,002685705	0,004878798
WD repeat and SOCS box-containing 1	0,757980129	9,230636646	9,399827437	0,002719002	0,004928958
ATPase, class V, type 10D	0,872817161	7,246202903	9,399655493	0,002719198	0,004928958
TGF-beta activated kinase 1/MAP3K7 binding protein 1	0,772475807	8,347540775	9,397422381	0,002721752	0,004928958
hematological and neurological expressed sequence 1	0,927183271	12,69511494	9,380850298	0,00274079	0,004958312
vitamin K epoxide reductase complex, subunit 1	0,770845603	8,632390266	9,371816561	0,002751232	0,004970112
RIKEN cDNA 3110021A11 gene	0,952036912	5,527260534	9,370305696	0,002752983	0,004970112
translocase of inner mitochondrial membrane 9 homolog (yeast)	0,893827612	9,094611478	9,363396103	0,002761006	0,004979469
predicted gene 4130	0,828889641	12,86055044	9,343430862	0,002784341	0,005013009
tectonin beta-propeller repeat containing 2	0,770136702	5,555410909	9,342594542	0,002785323	0,005013009
RIKEN cDNA A130077B15 gene	0,739280331	8,552210462	9,336571961	0,002792409	0,005020608
epithelial membrane protein 2	0,678769376	6,086618375	9,332418096	0,002797309	0,005024264
ATPase, Ca++ transporting, plasma membrane 1	0,72937225	6,144605193	9,316678198	0,002815964	0,005052594
RAB43, member RAS oncogene family	0,802655313	6,8289543	9,304719993	0,002830232	0,005073002
DNA segment, Chr 19, Wayne State University 162, expressed	0,784765271	10,69020104	9,293541839	0,002843644	0,005091837
adenylate kinase 3	0,796113789	7,566126581	9,282030797	0,002857532	0,005111484
peter pan homolog (Drosophila)	0,826680438	8,235724187	9,279557309	0,002860527	0,005111624
pseudouridylate synthase 7 homolog (S. cerevisiae)-like	1,04680848	6,512694224	9,273448904	0,002867937	0,005117469
ubiquitin associated domain containing 2	1,070840776	9,027269405	9,271662678	0,002870108	0,005117469
purinergic receptor P2X, ligand-gated ion channel 4	0,813689662	8,564466546	9,269651131	0,002872555	0,005117469
influenza virus NS1A binding protein	0,789332433	7,691458954	9,262462853	0,00288132	0,005127872
protein phosphatase 1, regulatory (inhibitor) subunit 14B	1,021105616	8,965683498	9,256493928	0,002888621	0,005133226
transmembrane protein 57	0,881415951	8,269517835	9,254603927	0,002890938	0,005133226
transmembrane protein 180	0,778078991	6,58283056	9,252353615	0,002893698	0,005133226
CD99 antigen-like 2	0,880196692	6,782790095	9,25044564	0,002896041	0,005133226
TBC1 domain family, member 23	1,011625214	7,087642024	9,240016076	0,002908888	0,005150788
FK506 binding protein 2	1,031825238	8,913479817	9,219452541	0,002934408	0,005190734
peptidoglycan recognition protein 1	0,806998045	5,103419162	9,193250617	0,002967299	0,005243624
RIKEN cDNA 2610035D17 gene	0,651151703	5,600917393	9,177874697	0,002986797	0,005272764
hydroxysteroid (17-beta) dehydrogenase 10	0,741709222	9,081958326	9,166938618	0,003000754	0,005292074
ER lipid raft associated 1	0,961305281	8,715856737	9,15302702	0,003018617	0,005318227
cereblon	0,990809509	4,949933089	9,149652328	0,003022969	0,005320546
dead end homolog 1 (zebrafish)	0,806237972	5,730597633	9,139508284	0,003036093	0,005338285
dihydrouridine synthase 3-like (S. cerevisiae)	0,710188569	6,43773064	9,133972359	0,003043282	0,005345565
eukaryotic translation elongation factor 1 gamma	0,855576202	11,52960148	9,120878268	0,003060366	0,005368983
absent in melanoma 1	0,759962894	9,743548316	9,119065025	0,00306274	0,005368983
chromatin assembly factor 1, subunit A (p150)	0,937024772	5,402456586	9,114409255	0,003068846	0,005371715
cytochrome b5 reductase 4	1,067015874	9,949098969	9,113205615	0,003070427	0,005371715
RIKEN cDNA 5033430I15 gene	1,105381093	7,167822141	9,110658046	0,003073776	0,005372213
thymosin, beta 10	0,783398398	13,52193166	9,096820552	0,003092041	0,005398752
ArfGAP with dual PH domains 1	0,783719835	7,21706182	9,091693167	0,00309884	0,00540524
solute carrier family 25, member 47	0,725386347	5,81453096	9,082552103	0,003111004	0,005421064
phosphatidylinositol glycan anchor biosynthesis, class A	1,034842329	6,638907447	9,053499924	0,00315003	0,005480506
RIKEN cDNA 1110018J18 gene	0,890284131	5,936120715	9,052510338	0,003151369	0,005480506
neuroblastoma amplified sequence	0,984812658	5,928537451	9,027900449	0,003184884	0,005533302
gem (nuclear organelle) associated protein 4	0,837050801	7,067382515	9,025471423	0,003188214	0,005533603
ATX1 (antioxidant protein 1) homolog 1 (yeast)	0,817896117	12,3241281	9,020147505	0,003195527	0,005540809

ATPase, Na+/K+ transporting, alpha 1 polypeptide	0,774574814	11,78966654	9,014289507	0,003203595	0,005549311
ataxia telangiectasia mutated homolog (human)	0,834372646	7,559834313	8,997644438	0,003226649	0,005583728
cell cycle progression 1	0,75652616	9,348220513	8,988122849	0,003239922	0,005596523
protein tyrosine phosphatase, non-receptor type 18	0,654197423	6,349610431	8,987760692	0,003240429	0,005596523
intraflagellar transport 81 homolog (Chlamydomonas)	0,79999545	7,33426029	8,984149243	0,00324548	0,005599731
carbonic anhydrase 5b, mitochondrial	0,675095812	5,25135956	8,978465706	0,003253449	0,00560796
solute carrier family 31, member 1	0,965466813	7,522917266	8,975668502	0,003257379	0,005609219
RIKEN cDNA 2310033P09 gene	1,044922025	5,221802046	8,962227951	0,003276338	0,00563633
zinc finger, AN1-type domain 6	0,873465461	11,42193683	8,955951158	0,003285236	0,005646096
RIKEN cDNA 1300017J02 gene	0,767270556	4,758482877	8,94672118	0,00329837	0,005653229
regulator of G-protein signaling 3	0,90475151	7,278891484	8,946552043	0,003298611	0,005653229
RIKEN cDNA A230045G11 gene	0,724428264	7,510431321	8,945828566	0,003299643	0,005653229
transmembrane protein 176B	1,072061301	12,08103331	8,943977409	0,003302286	0,005653229
ficolin A	0,721455936	4,957496703	8,931672402	0,003319913	0,00567503
transmembrane protein 141	0,773446869	7,768326327	8,930572054	0,003321495	0,00567503
opioid growth factor receptor-like 1	0,916274417	11,97213041	8,91639257	0,003341953	0,005704424
pleckstrin homology domain containing, family G (with RhoGef domain) member 2	0,664370265	5,748098885	8,908003283	0,003354125	0,005715232
hematological and neurological expressed 1-like	0,919336161	7,060413266	8,907535057	0,003354806	0,005715232
solute carrier family 35, member C1	0,775717559	6,559068278	8,891903725	0,003377626	0,005743815
vaccinia related kinase 1	0,957534097	5,382528869	8,891555688	0,003378136	0,005743815
C-type lectin domain family 5, member a	1,124805274	5,915262275	8,875224712	0,003402173	0,005779078
mitochondrial ribosomal protein L48	1,086061347	9,118026467	8,851623957	0,003437257	0,005833021
glycerophosphodiester phosphodiesterase domain containing 1	1,007048255	8,409904943	8,824319148	0,003478365	0,005897074
F-box protein 34	0,833314023	7,946639017	8,822022504	0,003481849	0,005897276
dystrobrevin binding protein 1	0,866399732	12,20878315	8,816904587	0,003489626	0,005904743
RIKEN cDNA 2400001E08 gene	1,010933251	8,521300011	8,812560525	0,003496242	0,005910234
STT3, subunit of the oligosaccharyltransferase complex, homolog B (S. cerevisiae)	0,936435823	10,66666485	8,806901339	0,003504883	0,005919133
Tp53rk binding protein	0,913865642	7,512829818	8,797179003	0,003519786	0,005938097
dehydrogenase/reductase (SDR family) member 7	0,945728745	7,345674797	8,79516206	0,003522887	0,005938097
UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 1	0,879156455	9,18922775	8,775272347	0,003553632	0,005984167
3-ketodihydrosphingosine reductase	0,725644859	7,769609018	8,748249644	0,003595898	0,006049529
RIKEN cDNA 2210404J11 gene	0,980271603	7,037682918	8,744275616	0,003602163	0,006054258
dehydrogenase/reductase (SDR family) X chromosome	0,936806417	7,066165857	8,725747381	0,003631534	0,006097777
sorting nexin family member 27	0,731045916	6,546512089	8,71918239	0,003642007	0,00610951
patched domain containing 1	0,896978848	5,350857228	8,712232152	0,003653132	0,006122314
hepatocyte growth factor activator	0,6644047	5,350147846	8,698291727	0,003675564	0,006154025
sphingosine-1-phosphate receptor 2	0,848936613	6,040705662	8,68942917	0,003689908	0,006172145
solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocator), member 5	0,893397	12,86946921	8,678408508	0,003707833	0,006196217
cytochrome b5 type B	0,848960509	9,979641618	8,661508192	0,003735516	0,006236533
transmembrane protein 106A	0,877597303	7,228324734	8,654147351	0,003747648	0,006250834
solute carrier family 35, member C2	0,592768893	6,433004168	8,64158994	0,003768448	0,006279552
histone cluster 1, H3d	0,704304189	6,726616596	8,625694101	0,003794968	0,006312788
histone cluster 1, H2af	0,85266203	7,57394123	8,625319684	0,003795595	0,006312788
solute carrier family 39 (zinc transporter), member 7	0,873604963	8,886660004	8,620519567	0,003803647	0,006320183
conserved helix-loop-helix ubiquitous kinase	0,844704353	8,094109331	8,616319683	0,003810708	0,00632592
tyrosine kinase 2	0,788408886	9,972252088	8,605396366	0,003829144	0,006349611
FAD-dependent oxidoreductase domain containing 2	0,806236622	5,579349962	8,603577389	0,003832224	0,006349611
cDNA sequence BC057079	0,799884814	6,144452058	8,58297753	0,003867302	0,006401681
PQ loop repeat containing	0,965210934	9,270263652	8,578943459	0,003874214	0,006407073
SEC63-like (S. cerevisiae)	0,860543563	8,73587458	8,573334204	0,003883849	0,006416954
Josephin domain containing 2	0,888548555	8,937655935	8,561914425	0,00390355	0,006443431
complement component 1, q subcomponent binding protein	0,823782397	8,379777852	8,559053432	0,003908504	0,006445538
protein phosphatase 2, regulatory subunit B (B56), alpha isoform	0,996055132	9,03334915	8,549188102	0,00392564	0,006467714
secretory carrier membrane protein 4	0,805777769	7,933582302	8,541757485	0,003938604	0,00648298
cDNA sequence BC029214	1,084227136	5,649970854	8,53650612	0,003947796	0,006492014
nucleolar protein 12	0,981687119	7,740499402	8,531216169	0,00395708	0,006501182
transmembrane protein 63a	0,795426218	6,486018078	8,513542457	0,00398828	0,006546306
N-acetylglucosamine kinase	0,813460352	9,999578718	8,495740541	0,004019992	0,006592185
hyaluronoglucosaminidase 2	0,822282252	9,465091824	8,492867248	0,004025137	0,006594454
syntrophin, acidic 1	0,778531082	5,107609808	8,489089931	0,004031913	0,006599387
RIKEN cDNA 9430038I01 gene	0,869856918	5,873498147	8,482554434	0,004043668	0,006612453
neuropilin (NRP) and tolloid (TLL)-like 2	0,942529898	4,911446596	8,448480523	0,004105592	0,00670405
keratinocyte associated protein 3	0,933780454	7,877123376	8,447532618	0,00410733	0,00670405
cyclin-dependent kinase 13	0,857495639	7,328885298	8,419901452	0,00415837	0,006781044
vomeronasal 1 receptor 58	0,694489124	8,040699532	8,411026019	0,004174918	0,006801702
cornichon homolog 4 (Drosophila)	0,798849174	10,41726989	8,407155902	0,004182158	0,00680717
transmembrane protein 111	0,819166705	8,553270791	8,396413664	0,004202328	0,006833656
sodium channel, type IV, beta	0,778054831	4,584376182	8,385403707	0,004223117	0,006861097
general transcription factor II A, 1	0,797069452	5,670203883	8,381017173	0,004231432	0,006868242
DEAH (Asp-Glu-Ala-His) box polypeptide 35	0,701912256	5,116535137	8,372380503	0,00424786	0,006888527
Fas-associated factor 1	0,971705948	11,45702178	8,363762728	0,004264324	0,006906693
tumor necrosis factor receptor superfamily, member 1a	0,895253225	5,665638313	8,362396085	0,004266942	0,006906693
transmembrane protein 66	0,826192648	10,71131305	8,338936659	0,004312165	0,006973454
NIPA-like domain containing 3	0,812375539	5,624726297	8,327992876	0,004333449	0,007001416
chromodomain helicase DNA binding protein 3	0,663152333	5,615725291	8,317715459	0,004353547	0,007027411
Smith-Magenis syndrome chromosome region, candidate 7 homolog (human)	0,808107101	5,594544181	8,30785366	0,004372933	0,007045893
casein kinase 1, gamma 2	0,7854313	10,80363552	8,307102921	0,004374413	0,007045893
acetoacetyl-CoA synthetase	0,855736446	8,230940263	8,305763047	0,004377055	0,007045893
eyes absent 3 homolog (Drosophila)	0,782797876	5,001324067	8,291733874	0,004404834	0,007084105
proline-rich nuclear receptor coactivator 2	0,916560209	10,03631262	8,261733373	0,004464918	0,007173576
microtubule-actin crosslinking factor 1	1,068490637	5,866567649	8,259884801	0,004468651	0,007173576

perlecan (heparan sulfate proteoglycan 2)	0,67471949	4,997194996	8,230504823	0,004528463	0,007262941
small G protein signaling modulator 3	0,805983372	5,3567386	8,225160007	0,004539442	0,007273895
RIKEN cDNA 1810009N02 gene	0,910283466	5,979645622	8,202604974	0,004586112	0,007341967
zinc finger protein 148	0,727089242	5,728960843	8,199825348	0,004591901	0,007344528
asparagine-linked glycosylation 2 homolog (yeast, alpha-1,3-mannosyltransferase)	0,809772463	8,191006916	8,188548478	0,004615475	0,007375504
mitochondrial ribosomal protein L37	0,858425796	8,642045126	8,182536716	0,004628099	0,007380317
tubulin cofactor A	0,939432078	12,59163564	8,182471775	0,004628236	0,007380317
sperm associated antigen 9	0,93269914	9,041906371	8,1811024	0,004631117	0,007380317
zinc finger protein 664	0,790702452	7,121975377	8,175561777	0,004642796	0,007392208
WW domain binding protein 7	0,760041229	7,503123074	8,157198746	0,004681744	0,007447456
CD63 antigen	0,720870495	11,11560357	8,154718136	0,004687034	0,007449112
profilin 2	0,76722064	6,607193009	8,136052888	0,004727059	0,007499866
RNA binding motif protein 47	0,77351856	9,798782899	8,133963529	0,004731563	0,007499866
syntaxin binding protein 2	0,864238822	11,43230353	8,133852193	0,004731804	0,007499866
CDC14 cell division cycle 14 homolog A (S. cerevisiae)	1,047665	6,501931374	8,118625487	0,004764784	0,007545317
2-oxoglutarate and iron-dependent oxygenase domain containing 2	0,660857013	5,186523613	8,100306213	0,004804812	0,007594591
calpain 7	0,904049275	8,6051197	8,100285373	0,004804858	0,007594591
zinc finger protein 472	0,781882244	6,913540877	8,098446699	0,004808897	0,007594591
expressed sequence AI480653	0,637812256	5,396242917	8,091591455	0,004823989	0,007606737
RIKEN cDNA 2310047M10 gene	0,779381119	9,009503435	8,088995641	0,004829718	0,007606737
transmembrane protein 14C	0,945076285	11,66707971	8,086279637	0,004835721	0,007606737
transmembrane protein 134	1,005245277	8,147421682	8,0851439	0,004838234	0,007606737
CCAAT/enhancer binding protein (C/EBP), epsilon	0,656440463	5,492195715	8,08512117	0,004838284	0,007606737
actinin alpha 4	0,695251084	7,768745785	8,082295307	0,004844543	0,007609752
OMA1 homolog, zinc metallopeptidase (S. cerevisiae)	1,046952671	8,579433809	8,073170496	0,004864815	0,007634755
BCL2 binding component 3	0,777512013	9,176904449	8,057823504	0,004899131	0,007670839
aurora kinase A	1,047104831	5,688187107	8,056210233	0,004902754	0,007670839
cyclin-dependent kinase 2	0,920514456	6,664614382	8,055601817	0,004904122	0,007670839
ribosome binding factor A	0,81319261	9,301600042	8,055072764	0,004905311	0,007670839
DEAH (Asp-Glu-Ala-His) box polypeptide 37	0,641821481	5,639402187	8,018028603	0,004989413	0,007795402
insulin-like 6	0,991414099	12,43109353	8,014566911	0,004997356	0,00780086
transmembrane protein 120A	0,829771353	9,041519409	8,006943501	0,0050149	0,007821282
lipin 1	0,839998615	6,967870919	8,004007025	0,005021677	0,007824889
diacylglycerol kinase zeta	0,760197604	6,587370779	8,00054728	0,005029675	0,007830391
RIKEN cDNA 2400001E08 gene	0,916333069	9,679431173	7,997539778	0,005036639	0,007834275
stromal cell derived factor 4	0,713486501	6,089466222	7,990918744	0,00505201	0,007851217
hydroxyacylglutathione hydrolase-like	0,902488675	7,972723972	7,987031531	0,005061059	0,007858313
transmembrane protein 55A	0,945362301	8,455226692	7,981979963	0,005072846	0,007869645
a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 2	0,587730673	5,524959753	7,961462869	0,005121046	0,007937395
peroxisomal biogenesis factor 16	1,040314471	7,209916566	7,944868716	0,005160414	0,007978473
predicted gene 10304	0,758180352	4,620392606	7,94188068	0,00516754	0,007978473
RIKEN cDNA 2610039C10 gene	0,795034184	9,511597587	7,940983887	0,005169681	0,007978473
TMEM9 domain family, member B	0,909709675	8,883927991	7,939846673	0,005172397	0,007978473
mitogen-activated protein kinase 1 interacting protein 1	0,830843501	7,013804897	7,939778133	0,005172561	0,007978473
motile sperm domain containing 1	0,758141001	8,561345875	7,938367202	0,005175933	0,007978473
phosphotriesterase related	0,851695415	6,063794311	7,936914563	0,005179408	0,007978473
potassium channel tetramerisation domain containing 5	0,760301886	7,766898732	7,929601106	0,005196942	0,007998455
epithelial stromal interaction 1 (breast)	1,021474251	7,392495399	7,924877124	0,005208305	0,008008911
solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocator), member 5	0,894719912	10,47213788	7,889931087	0,005293248	0,008131741
L antigen family, member 3	0,811993913	7,814729738	7,88821472	0,005297461	0,008131741
guanine nucleotide binding protein-like 3 (nucleolar)	0,878870848	10,43527777	7,880936544	0,005315367	0,008147984
cathepsin E	0,777302251	4,599496551	7,880137188	0,005317338	0,008147984
zinc finger protein 467	0,941585711	6,515558929	7,874825781	0,005330455	0,00816095
DNA cross-link repair 1B, PSO2 homolog (S. cerevisiae)	0,995508016	6,518208547	7,867494021	0,005348623	0,00818162
selenoprotein	0,906639361	9,660918574	7,862136482	0,005361944	0,008194845
Fanconi anemia, complementation group E	0,775846428	6,250180228	7,853646306	0,005383131	0,008220059
protein disulfide isomerase associated 3	0,915730039	11,29542462	7,84112048	0,005414565	0,008260863
ras responsive element binding protein 1	0,722991348	6,919953241	7,837267337	0,005424276	0,008260957
RIKEN cDNA C430049B03 gene	1,083875539	4,924902592	7,834563995	0,005431102	0,008260957
myotubularin related protein 10	0,746827187	5,327524982	7,834322939	0,005431711	0,008260957
pleckstrin homology domain containing, family M (with RUN domain) member 2	0,797915808	11,54067605	7,833624673	0,005433476	0,008260957
1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta)	0,936864734	6,64382646	7,827947057	0,005447851	0,008275635
zinc finger protein 771	0,759566612	4,915422036	7,823206405	0,005459887	0,008286737
kinesin family member 3A	0,822657434	5,923028164	7,811231673	0,005490425	0,008318734
poly(A) binding protein interacting protein 2B	0,81605313	8,31389176	7,809605499	0,005494587	0,008318734
migration and invasion inhibitory protein	0,8035408	6,008922988	7,809364371	0,005495205	0,008318734
zinc finger protein 532	0,841356256	5,480195163	7,801840864	0,005514511	0,008340757
RIKEN cDNA 2310061J03 gene	0,883671746	6,782101625	7,798471369	0,005523183	0,008346672
transmembrane protein 132A	0,664168356	4,826965377	7,794616108	0,005533124	0,008354493
RIKEN cDNA 5930416I19 gene	0,891901983	8,685659179	7,791084822	0,005542248	0,0083592
membrane-associated ring finger (C3HC4) 2	0,763824383	8,27797903	7,789720102	0,005545778	0,0083592
ATPase, H+ transporting, lysosomal V0 subunit B	1,048460282	10,91366752	7,78057935	0,005569492	0,008387732
GLI pathogenesis-related 2	0,931002824	12,51770496	7,773787748	0,005587187	0,008407158
predicted gene 10355	0,891259117	6,437488042	7,769556556	0,005598244	0,008416571
interleukin 6 signal transducer	0,6623675	5,730700893	7,767166051	0,005604502	0,008418759
RIKEN cDNA 2010107E04 gene	0,85418396	12,43028223	7,765219426	0,005609604	0,008419208
presenilin associated, rhomboid-like	0,974657055	10,86153299	7,758832671	0,00562638	0,008433115
general transcription factor II E, polypeptide 1 (alpha subunit)	1,069410111	8,602478136	7,758030524	0,005628491	0,008433115
protein inhibitor of activated STAT 3	0,781831933	6,780139243	7,728678054	0,005706367	0,008542495
arachidonate 5-lipoxygenase	1,045355154	4,984578209	7,714536557	0,005744327	0,008588338
galactosylceramidase	0,847245729	6,625137008	7,71353738	0,00574702	0,008588338

family with sequence similarity 165, member B	1,065559118	9,12453189	7,711806972	0,005751688	0,008588338
euchromatic histone lysine N-methyltransferase 2	0,722160532	8,247219593	7,70882675	0,005759736	0,008591054
mannose phosphate isomerase	0,882154474	8,84087166	7,707505519	0,005763309	0,008591054
kinesin family member 18A	0,911506989	5,201629209	7,705567223	0,005768554	0,008591568
plectin	0,928786954	10,68947759	7,695745533	0,005795217	0,008623952
hook homolog 3 (Drosophila)	0,880754354	7,698314203	7,691443088	0,005806942	0,0086307
solute carrier family 4 (anion exchanger), member 3	0,838634371	5,035447938	7,690469516	0,005809598	0,0086307
KCNQ1 overlapping transcript 1	0,784307855	5,428363017	7,685720464	0,005822578	0,008642659
motile sperm domain containing 1	0,755928654	5,947673318	7,660290091	0,005892652	0,008739272
glutamic pyruvate transaminase (alanine aminotransferase) 2	0,758854191	5,569884906	7,646696612	0,005930505	0,008787976
transcription elongation factor A (SII)-like 8	0,912558979	8,639331559	7,621982775	0,006000042	0,008876018
eukaryotic translation elongation factor 1 gamma	0,917593182	12,01621596	7,62198114	0,006000047	0,008876018
DBF4 homolog (S. cerevisiae)	0,776061004	6,851261871	7,616166301	0,006016543	0,008892917
protein kinase C, delta	0,829292889	10,97447345	7,600141368	0,006062275	0,008949439
nuclear receptor subfamily 2, group F, member 6	0,751983071	8,305377283	7,599193267	0,006064994	0,008949439
CKLF-like MARVEL transmembrane domain containing 7	1,060136063	9,313955233	7,594356256	0,006078883	0,008954587
DnaJ (Hsp40) homolog, subfamily C, member 19	0,852362077	5,66931712	7,59274165	0,006083527	0,008954587
family with sequence similarity 113, member A	0,955767789	7,772299841	7,59264459	0,006083807	0,008954587
thioredoxin 2	0,893925352	6,756758432	7,588001622	0,006097186	0,00896675
aurora kinase B	0,805666605	5,095711698	7,581496554	0,006115987	0,008979496
suppressor of Ty 5 homolog (S. cerevisiae)	0,762879221	8,416808765	7,580214338	0,006119701	0,008979496
cysteine sulfinic acid decarboxylase	0,68763218	4,875562675	7,578817832	0,006123749	0,008979496
nucleus accumbens associated 2, BEN and BTB (POZ) domain containing	0,841869031	8,631251411	7,577923611	0,006126342	0,008979496
adrenocortical dysplasia	0,880687194	10,20306711	7,569376949	0,006151194	0,00900839
LIM and SH3 protein 1	0,800494992	5,287558975	7,564383178	0,006165768	0,00901338
transforming growth factor, beta receptor associated protein 1	0,83240963	9,160671662	7,563019097	0,006169755	0,00901338
cleavage and polyadenylation specific factor 1	0,768395616	6,468659995	7,562926461	0,006170026	0,00901338
microtubule associated monoxygenase, calponin and LIM domain containing 3	0,948653758	4,882481763	7,555548857	0,006191647	0,009037433
RIKEN cDNA 4930506M07 gene	0,794622388	8,031444225	7,535179704	0,006251794	0,009117632
BRO1 domain and CAAX motif containing	0,806905478	9,597120339	7,5329862	0,006258311	0,00911955
mitogen-activated protein kinase kinase 5	0,726239901	6,827054379	7,512188626	0,006320489	0,009202505
Bardet-Biedl syndrome 7 (human)	0,735290404	6,11633369	7,499539498	0,006358652	0,009250387
predicted gene 10145	0,796652897	12,00899015	7,493367102	0,00637737	0,009269925
RAB1, member RAS oncogene family	0,816618082	8,315971942	7,4809831	0,006415117	0,009317067
RIKEN cDNA 1810074P20 gene	0,987790056	7,457962577	7,475111601	0,006433103	0,009335454
armadillo repeat containing, X-linked 3	0,729743969	5,304218862	7,462721804	0,006471246	0,009371658
isocitrate dehydrogenase 3 (NAD+), gamma	0,941460734	11,16439249	7,462271873	0,006472636	0,009371658
serum/glucocorticoid regulated kinase 3	0,965422186	4,83628801	7,461801533	0,006474089	0,009371658
isocitrate dehydrogenase 3 (NAD+) beta	0,823191582	10,52198397	7,457829926	0,006486377	0,009381699
protein arginine N-methyltransferase 7	0,824121578	5,339464589	7,446230799	0,006522418	0,009419751
myotubularin related protein 3	0,736029276	5,709191198	7,444515834	0,006527766	0,009419751
vacuolar protein sorting 8 homolog (S. cerevisiae)	0,952940985	6,260291491	7,442511357	0,006534023	0,009419751
ribonuclease H2, subunit C	0,906791889	6,940496536	7,442461293	0,00653418	0,009419751
euchromatic histone lysine N-methyltransferase 2	0,7656037	7,842964201	7,437412367	0,006549972	0,009434758
asparagine-linked glycosylation 5 homolog (yeast, dolichyl-phosphate beta-glucosyltransferase)	0,925517681	8,461414583	7,429682703	0,006574234	0,009461931
vesicle-associated membrane protein, associated protein B and C	0,785262504	8,91253985	7,427295602	0,006581748	0,009462604
DDB1 and CUL4 associated factor 6	1,039132159	5,784798074	7,426105501	0,006585497	0,009462604
NHP2 ribonucleoprotein homolog (yeast)	0,940324799	9,901381823	7,412991701	0,006626976	0,009514406
septin 9	0,746896379	6,707619855	7,410522716	0,006634819	0,009517871
pyruvate dehydrogenase E1 alpha 1	0,931100522	8,737715797	7,391714951	0,006694915	0,009596227
ring finger protein 103	0,818500481	9,373500949	7,376782374	0,006743072	0,009657358
SET domain containing 1B	0,744094014	8,795062682	7,374785295	0,006749543	0,009658734
syntaxin 7	0,835384948	10,50154284	7,361966289	0,006791247	0,009710487
eukaryotic translation initiation factor 3, subunit G	0,808618649	11,94453357	7,357711022	0,006805156	0,009722444
succinate-CoA ligase, GDP-forming, alpha subunit	0,987038317	9,884696482	7,347126478	0,006839896	0,0097502
MAP kinase-interacting serine/threonine kinase 1	0,751396164	8,601464006	7,34707944	0,00684005	0,0097502
SRY-box containing gene 9	0,756925449	4,699689831	7,34670909	0,00684127	0,0097502
predicted gene, 19732	0,902680122	6,450091723	7,33513662	0,006879493	0,009796711
vesicle amine transport protein 1 homolog-like (T. californica)	0,847923397	4,95557454	7,330482138	0,006894936	0,009810732
myelin basic protein	0,852888699	9,244170958	7,304514376	0,006981824	0,00992409
high mobility group box transcription factor 1	0,903563505	11,41849405	7,303297845	0,006985925	0,00992409
aprataxin and PNKP like factor	0,7235644	6,300684912	7,286621298	0,007042426	0,009996253
peptidyl arginine deiminase, type II	0,76005755	4,562617094	7,281108573	0,007061218	0,010014818
vitamin K epoxide reductase complex, subunit 1	0,790486268	8,461867878	7,276056572	0,00707849	0,010031199
hypoxanthine guanine phosphoribosyl transferase	1,055934342	10,88498623	7,269733941	0,007100174	0,01005262
CDK5 and Abl enzyme substrate 2	0,863197685	6,744809406	7,268308106	0,007105075	0,01005262
zinc metallopeptidase, STE24 homolog (S. cerevisiae)	0,913031162	8,476909877	7,254018092	0,007154406	0,010114252
endonuclease domain containing 1	0,828100182	8,662310476	7,252156795	0,00716086	0,010115219
peptidyl-tRNA hydrolase 1 homolog (S. cerevisiae)	0,649041148	5,785963247	7,248072792	0,007175045	0,010127096
zinc finger, DHHC domain containing 13	0,854928988	8,261725525	7,243758694	0,007190064	0,010140131
RIKEN cDNA 1700021C14 gene	0,794138375	6,271341416	7,233749529	0,00722505	0,01018128
membrane magnesium transporter 1	1,064871777	6,451415996	7,220632785	0,007271193	0,010238073
leucine-rich PPR-motif containing	0,805575752	5,859430715	7,211138701	0,007304803	0,010272946
UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 8	0,762697575	4,885163762	7,210328303	0,00730768	0,010272946
ATM interactor	0,970856676	10,70652246	7,207795952	0,007316679	0,010274001
abl-interactor 2	0,949766257	8,336936293	7,206819529	0,007320152	0,010274001
RIKEN cDNA 4933433P14 gene	0,749878467	4,836324441	7,194445938	0,00736433	0,010327737
phosphorylase kinase alpha 2	0,725964248	6,675903219	7,185234309	0,007397417	0,010365845
pleckstrin homology domain containing, family F (with FYVE domain) member 2	0,789543277	9,569201431	7,174059024	0,007437787	0,01041409
expressed sequence C87436	0,823269815	5,384714386	7,170956801	0,007449038	0,010421519
mitochondrial ribosomal protein L3	0,863115118	8,908902102	7,167418463	0,007461895	0,010431181

chimerin (chimaerin) 2	0,911135709	5,132156789	7,160112144	0,007488523	0,010460065
coronin, actin binding protein 1C	0,727273003	10,48817501	7,157108138	0,007499503	0,010467061
zinc finger protein 873	0,663773431	5,51459039	7,149143652	0,007528704	0,010499457
V-set and immunoglobulin domain containing 10	0,932508352	7,749652795	7,142719956	0,00755235	0,010524062
ADP-ribosylation factor GTPase activating protein 1	0,861018553	7,262846052	7,135341003	0,007579618	0,01055367
eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein)	0,81728927	11,24524949	7,127382583	0,007609154	0,010586387
UPF3 regulator of nonsense transcripts homolog A (yeast)	0,875672761	6,358453034	7,117265838	0,007646891	0,010630452
dual specificity phosphatase 23	0,798850933	6,818159228	7,114418617	0,00765755	0,010634639
predicted gene, 20340	0,650309532	6,931316995	7,113221833	0,007662036	0,010634639
DEAD (Asp-Glu-Ala-Asp) box polypeptide 39B	0,843359386	9,991110609	7,104593224	0,007694465	0,0106712
calcium/calmodulin-dependent protein kinase II inhibitor 2	0,867360562	5,895388004	7,102212968	0,007703438	0,010673707
serine/threonine kinase 11 interacting protein	1,028104726	5,453056676	7,100884981	0,00770845	0,010673707
protein tyrosine phosphatase, non-receptor type 21	0,7549079	5,260803682	7,09493997	0,007730932	0,010693847
thioredoxin reductase 2	0,866031115	7,154751802	7,093814725	0,007735195	0,010693847
polyamine oxidase (exo-N4-amino)	0,769957683	5,494220616	7,091297919	0,007744742	0,010698607
family with sequence similarity 32, member A	0,888209597	5,126057795	7,088578593	0,007755071	0,010704441
ring finger protein 26	0,772038864	7,684769626	7,081637317	0,00778151	0,010732484
centrosomal protein 63	0,892850764	9,651860501	7,075035481	0,007806752	0,010758833
ADP-dependent glucokinase	0,935338179	6,684213853	7,063846608	0,007849746	0,010809588
phosphoribosyl pyrophosphate synthetase-associated protein 1	0,801482495	6,082825012	7,061672184	0,007858133	0,010812644
discs, large homolog 5 (Drosophila)	0,826194354	5,025469102	7,059920465	0,007864898	0,010813463
reversion-inducing-cysteine-rich protein with kazal motifs	0,763415456	4,937372654	7,041972495	0,007934587	0,01089225
cytochrome c oxidase, subunit VIb polypeptide 1	0,816075314	12,75465133	7,040626023	0,007939844	0,01089225
calcium channel, voltage-dependent, beta 3 subunit	0,768124017	4,979243388	7,040370627	0,007940842	0,01089225
transketolase	0,96471329	11,14667458	7,035292903	0,007960704	0,010904246
interferon induced transmembrane protein 6	0,632737521	4,934643347	7,034771993	0,007962745	0,010904246
capicua homolog (Drosophila)	0,753737129	5,721069466	7,033368176	0,007968248	0,010904246
transmembrane protein 135	0,741504858	5,634800511	7,029813713	0,007982201	0,010914819
RIKEN cDNA D430042O09 gene	0,948739987	7,775041591	7,024677798	0,008002411	0,010933926
receptor (TNFRSF)-interacting serine-threonine kinase 1	0,875169204	8,611462295	7,005602494	0,008077991	0,011028596
phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 2 (p85 beta)	0,687046349	5,006509638	7,00010549	0,008099922	0,011049933
eukaryotic translation initiation factor 1A	0,883999373	9,757436898	6,989636729	0,008141879	0,011098534
RIKEN cDNA 4921517L17 gene	0,624633281	5,112869385	6,983932008	0,008164848	0,011121195
SEC63-like (S. cerevisiae)	0,920377473	8,88788901	6,978732849	0,008185845	0,011141139
histone cluster 1, H3a	0,805842577	5,50742079	6,973117031	0,008208595	0,011161837
cell division cycle 37 homolog (S. cerevisiae)-like 1	0,889400821	6,84347901	6,971477435	0,008215251	0,011161837
peroxisomal biogenesis factor 11 alpha	0,868963932	5,003206353	6,970270226	0,008220155	0,011161837
heat shock protein 2	0,942508223	7,383705704	6,952925392	0,008290993	0,011243474
adenylate cyclase 6	0,78320239	10,64326798	6,951999965	0,008294792	0,011243474
salvador homolog 1 (Drosophila)	0,840134801	9,925586424	6,950849486	0,008299518	0,011243474
Sec31 homolog A (S. cerevisiae)	0,797010673	6,292561006	6,945579578	0,008321205	0,011264149
midkine	0,896538141	5,892547401	6,943525667	0,008329675	0,011266914
thioredoxin domain containing 9	0,769499152	4,811137277	6,941257376	0,00833904	0,011270885
RIKEN cDNA 9130011J15 gene	1,008463654	8,208957205	6,928400953	0,008392351	0,0113342
IKAROS family zinc finger 1	0,97878375	7,895803918	6,926118956	0,008401855	0,011336133
myosin IXa	0,827860344	5,866634893	6,924952838	0,008406716	0,011336133
DDRGK domain containing 1	0,944162534	10,99676873	6,919055238	0,00843135	0,011360613
tubulin-specific chaperone d	0,809601736	8,079567969	6,913478449	0,008454721	0,011383353
chloride channel 7	0,814671278	9,023719398	6,889134628	0,008557611	0,01151304
killer cell lectin-like receptor, subfamily A, member 3	0,854603687	4,931555302	6,886896627	0,008567142	0,011517024
vacuolar protein sorting 35	0,972528561	11,92202862	6,881406261	0,008590575	0,011539676
spermatid perinuclear RNA binding protein	0,878450732	5,522939784	6,87562868	0,008615313	0,011564046
RIKEN cDNA 1110038B12 gene	0,751725483	9,232783363	6,872047766	0,008630687	0,011575818
T-cell, immune regulator 1, ATPase, H+ transporting, lysosomal V0 protein A3	0,747786456	6,901279154	6,862598951	0,008671404	0,011618948
cleavage and polyadenylation specific factor 7	0,733518692	9,710867739	6,861512521	0,0086761	0,011618948
abhydrolase domain containing 16A	0,867236849	9,018346414	6,855506549	0,008702112	0,011633916
death associated protein kinase 1	0,859694796	6,452263903	6,855145748	0,008703677	0,011633916
expressed sequence AW549877	0,799700845	9,271302097	6,854337184	0,008707187	0,011633916
cell division cycle associated 8	0,64703323	5,236243367	6,85040705	0,008724268	0,011647861
catechol-O-methyltransferase	0,767083421	9,020771116	6,842094705	0,008760522	0,011681905
mature T-cell proliferation 1	0,870787923	5,008059009	6,840037692	0,00876952	0,011681905
translational activator of mitochondrially encoded cytochrome c oxidase I	0,84423234	4,849335292	6,839983229	0,008769759	0,011681905
ubinuclein 1	0,794071613	4,678339947	6,816102976	0,008875004	0,011804719
arrestin, beta 2	0,986133146	10,18705356	6,816008047	0,008875425	0,011804719
magnesium-dependent phosphatase 1	1,024448267	6,865084996	6,808171168	0,008910281	0,011842094
fascin homolog 2, actin-bundling protein, retinal (Strongylocentrotus purpuratus)	0,946602026	4,832015726	6,791687734	0,008984107	0,011931166
zinc finger protein 746	0,863227025	7,770516066	6,781078285	0,009031996	0,011985684
RCE1 homolog, prenyl protein peptidase (S. cerevisiae)	0,765869654	7,76493845	6,776416981	0,009053128	0,01200464
mbt domain containing 1	0,882863422	7,890417292	6,773088684	0,009068252	0,012008655
serine/threonine kinase 19	0,797841092	7,566338706	6,772735898	0,009069857	0,012008655
small nucleolar RNA host gene 5	1,013618812	7,584339294	6,769399112	0,009085052	0,012014441
replication factor C (activator 1) 2	0,811991349	10,11294407	6,768766732	0,009087934	0,012014441
family with sequence similarity 13, member B	0,728821984	8,420022782	6,762109373	0,009118348	0,012045565
solute carrier family 2 (facilitated glucose transporter), member 9	0,785795458	4,625585999	6,759478989	0,009130397	0,0120524
cyclin-dependent kinase 2	0,948123737	9,56604938	6,736704347	0,009235488	0,012181949
THUMP domain containing 2	0,772806019	5,048265003	6,734099612	0,009247595	0,012188748
RIKEN cDNA 2010204K13 gene	0,750645663	4,45468782	6,728330238	0,009274477	0,012213412
DEAH (Asp-Glu-Ala-His) box polypeptide 38	0,739608667	9,453631052	6,727095529	0,009280242	0,012213412
microtubule associated serine/threonine kinase 3	0,874400637	9,224870459	6,721330349	0,009307213	0,012239719
family with sequence similarity 125, member B	0,71628378	5,368945175	6,699942819	0,009408059	0,012363064
ADP-ribosylation factor guanine nucleotide-exchange factor 2 (brefeldin A-inhibited)	0,813540153	6,429235886	6,694189851	0,009435399	0,012382326

SH3-domain binding protein 1	0,82134105	4,846670774	6,693886234	0,009436844	0,012382326
olfactory receptor 802	0,677661397	5,380701965	6,686601784	0,009471599	0,012411365
predicted gene 10785	0,789001221	6,682963448	6,686280413	0,009473136	0,012411365
transmembrane and coiled-coil domains 1	0,833884988	8,375239468	6,681600209	0,009495547	0,012431437
PC4 and SFRS1 interacting protein 1	0,929008968	9,358191833	6,671708196	0,009543115	0,012484389
protein regulator of cytokinesis 1	0,734413778	5,656126613	6,667146591	0,009565143	0,012503874
acyl-CoA thioesterase 1	0,812180631	4,633493455	6,659338471	0,009602983	0,012543986
vacuolar protein sorting 8 homolog (S. cerevisiae)	0,872107856	4,91342757	6,653651259	0,009630653	0,012567736
vitamin K epoxide reductase complex, subunit 1	0,961796358	7,08715919	6,652656275	0,009635503	0,012567736
dolichyl pyrophosphate phosphatase 1	0,82704774	4,997918114	6,650332429	0,009646842	0,012573171
c-src tyrosine kinase	0,781092553	9,011181596	6,644920141	0,009673311	0,012598301
limb-bud and heart	0,837539152	6,840601819	6,637984138	0,009707352	0,012633251
phosphatidylserine synthase 2	0,847780299	8,251633659	6,631511176	0,009739245	0,012656661
solute carrier family 17 (sodium phosphate), member 1	0,982765501	4,740779708	6,631402675	0,009739781	0,012656661
pyridoxine 5'-phosphate oxidase	0,721985287	6,414965251	6,625890332	0,009767037	0,012682679
nuclear distribution gene E homolog 1 (A nidulans)	0,810322404	8,554515485	6,622864349	0,009782037	0,012692754
cDNA sequence BC024659	0,811072828	5,150158756	6,614142502	0,009825418	0,012739614
G protein-coupled receptor 108	0,925743227	6,520410658	6,607566163	0,009858274	0,012764471
erythroid differentiation regulator 1	0,749971345	10,12312179	6,607390764	0,009859152	0,012764471
RIKEN cDNA 1110028C15 gene	0,751649481	5,642262702	6,603841866	0,009876936	0,01277263
minichromosome maintenance deficient 2 mitotin (S. cerevisiae)	0,825464184	5,782627224	6,603226019	0,009880026	0,01277263
deltex 3 homolog (Drosophila)	0,757647466	9,640404306	6,598257849	0,009904994	0,012795472
pre B-cell leukemia transcription factor 3	0,874734286	5,230085053	6,585891538	0,009967457	0,012859449
stannin	0,834808462	11,27080547	6,585549485	0,009969191	0,012859449
synovial sarcoma, X member B, breakpoint 5	0,724449362	4,549094132	6,584066778	0,009976712	0,012859688
neuroblastoma, suppression of tumorigenicity 1	0,797322641	5,648342324	6,58099323	0,009992323	0,01286913
nudix (nucleoside diphosphate linked moiety X)-type motif 6	0,967432959	6,721700263	6,579735471	0,009998719	0,01286913
von Willebrand factor A domain containing 5B1	0,79160518	4,841766161	6,577531359	0,01000994	0,012870498
Usher syndrome 2A (autosomal recessive, mild) homolog (human)	0,794821006	7,856402127	6,576643113	0,010014466	0,012870498
YEATS domain containing 4	0,873222678	8,287497043	6,574478483	0,010025505	0,012872581
transmembrane protein 208	1,01164906	11,14985012	6,57325784	0,010031737	0,012872581
microtubule-associated protein, RP/EB family, member 2	0,772604194	5,251912623	6,572008953	0,010038117	0,012872581
orthodenticle homolog 1 (Drosophila)	0,964454728	4,924333943	6,570239814	0,010047163	0,012873904
N-ethylmaleimide sensitive fusion protein	0,926029964	9,416717566	6,56823863	0,010057406	0,012873904
Duffy blood group, chemokine receptor	0,753421193	4,723907149	6,567501957	0,01006118	0,012873904
ATG2 autophagy related 2 homolog A (S. cerevisiae)	0,953426971	7,722405179	6,561451124	0,010092239	0,012904227
transmembrane 7 superfamily member 4	0,854339476	6,688122481	6,548906546	0,010156981	0,012977542
solute carrier family 44, member 1	0,847038364	6,062060767	6,547004488	0,010166839	0,012980677
tuberous sclerosis 1	0,772098433	5,139161225	6,541609415	0,010194861	0,01300698
N(alpha)-acetyltransferase 40, NatD catalytic subunit, homolog (S. cerevisiae)	0,819168213	8,240915046	6,531114538	0,010249624	0,013067339
odd Oz/ten-m homolog 4 (Drosophila)	0,785201275	4,829240683	6,522380488	0,010295457	0,013116232
vestigial like 3 (Drosophila)	0,736745792	4,87979625	6,520344701	0,010306173	0,01312035
transmembrane inner ear	0,766539889	4,947515309	6,518261523	0,010317153	0,013124796
dynein cytoplasmic 1 heavy chain 1	0,786165475	8,531597721	6,508086719	0,010370972	0,013183694
G-protein signalling modulator 1 (AGS3-like, C. elegans)	0,950716813	7,198392516	6,505886025	0,010382655	0,013188981
PWWP domain containing 2B	0,760217252	5,22137123	6,491043374	0,010461845	0,013279953
bone morphogenetic protein 1	0,841636428	5,891011716	6,480465049	0,010518707	0,013335485
zinc finger, DHHC domain containing 13	0,982902705	8,978270504	6,477767036	0,010533266	0,013335485
Sep (O-phosphoserine) tRNA:Sec (selenocysteine) tRNA synthase	0,939362137	6,833571675	6,477309059	0,01053574	0,013335485
zinc finger, DHHC domain containing 7	0,808177245	9,729381043	6,477256755	0,010536022	0,013335485
ASF1 anti-silencing function 1 homolog A (S. cerevisiae)	1,011246439	5,12396293	6,469625369	0,010577341	0,013378123
mitochondrial ribosomal protein L15	0,950110554	5,555710493	6,46080991	0,010625303	0,013429095
prune homolog (Drosophila)	0,724043077	5,398447037	6,457360019	0,01064414	0,013443211
RIKEN cDNA A830082N09 gene	0,557691228	5,26795369	6,45219412	0,010672419	0,013469222
yippee-like 5 (Drosophila)	0,826329756	9,949484807	6,43340467	0,010776004	0,013590169
zinc finger protein 954	0,940589882	6,100355635	6,421417516	0,010842691	0,013661464
natriuretic peptide receptor 3	0,71098419	4,702829547	6,420444902	0,010848122	0,013661464
protein tyrosine phosphatase 4a2	0,852699072	8,092529216	6,414851116	0,010879421	0,01368454
chondroitin polymerizing factor	0,831891137	4,931844758	6,414000932	0,010884187	0,01368454
protein tyrosine phosphatase, receptor type, S	0,846649782	9,847789728	6,412988718	0,010889865	0,01368454
replication factor C (activator 1) 2	0,726152193	8,494010697	6,375368677	0,011103307	0,013942763
amino-terminal enhancer of split	0,793488916	9,129999101	6,372797173	0,011118071	0,013951309
histone deacetylase 5	0,685520207	7,016732013	6,370116347	0,011133487	0,013953961
apolipoprotein A-I binding protein	1,005231266	10,88721751	6,369661514	0,011136105	0,013953961
lysosomal-associated protein transmembrane 5	0,804340409	13,95972062	6,362303221	0,011178555	0,013997148
ORAI calcium release-activated calcium modulator 3	0,891819759	7,022379562	6,347570613	0,011264107	0,014094204
predicted gene, 19346	0,79752267	5,841903453	6,338659717	0,011316217	0,014149307
high mobility group box transcription factor 1	0,875669775	10,78566361	6,335023505	0,011337561	0,014162243
transmembrane protein 115	0,727716954	6,855713667	6,333700465	0,011345338	0,014162243
zinc finger matrin type 3	0,788391792	6,686354914	6,332651303	0,01135151	0,014162243
SH3 and PX domains 2B	0,970211761	8,913249029	6,331399607	0,011358878	0,014162243
transmembrane protein 111	0,737270927	6,636355508	6,317949162	0,011438401	0,014251256
F-box protein 34	0,819089831	7,743284329	6,3163935	0,01144764	0,014252637
peroxisome proliferative activated receptor, gamma, coactivator-related 1	0,766231061	7,382845435	6,302736395	0,011529115	0,014343888
ring finger protein 123	0,865336655	5,071201334	6,286757266	0,011625288	0,014452519
histone cluster 1, H4i	0,772342427	6,914546846	6,285496014	0,011632918	0,014452519
Sec61 alpha 1 subunit (S. cerevisiae)	0,872280523	7,336542901	6,280947481	0,011660483	0,014476506
intercellular adhesion molecule 2	0,786805814	5,09020526	6,278631473	0,011674547	0,014483709
YEATS domain containing 2	0,908842071	7,27767865	6,269616715	0,011729475	0,014541563
gem (nuclear organelle) associated protein 7	0,727221768	6,27803771	6,265721831	0,011753299	0,0145608
katanin p60 (ATPase-containing) subunit A1	0,986190768	9,479208811	6,259393087	0,011792128	0,014598588

negative regulator of ubiquitin-like proteins 1	0,857657601	9,926169697	6,257491744	0,011803822	0,014602752
coagulation factor VIII	0,702459827	4,682717059	6,252290336	0,011835881	0,014632087
chemokine (C-X-C motif) receptor 1	0,92035411	4,661167564	6,243459282	0,011890541	0,014689301
nuclear distribution gene E homolog 1 (A nidulans)	0,715778136	7,64807531	6,24164137	0,011901829	0,014692892
transmembrane protein 144	0,792947085	4,821978055	6,239725176	0,01191374	0,014697246
F-box and WD-40 domain protein 4	0,719605999	5,326176521	6,236328189	0,01193489	0,014712983
potassium voltage-gated channel, shaker-related subfamily, beta member 1	0,706317563	4,922717745	6,233209213	0,011954347	0,014726613
adiponectin receptor 1	0,806965573	10,25241376	6,230178994	0,011973285	0,014739585
Ras association (RalGDS/AF-6) domain family member 2	0,831607382	10,08483643	6,226344221	0,011997301	0,014758785
CDC14 cell division cycle 14 homolog B (S. cerevisiae)	0,865377027	6,348862129	6,21673146	0,012057745	0,01482274
mab-21-like 3 (C. elegans)	0,926165445	4,794417873	6,209404981	0,012104047	0,014869233
solute carrier family 38, member 9	0,875440231	5,64165083	6,204317513	0,01213632	0,014898437
upstream transcription factor 2	0,771836323	6,056479448	6,194775636	0,012197115	0,014962591
phosphatidic acid phosphatase type 2C	0,831528282	5,908170118	6,19078544	0,012222642	0,01498342
zinc finger protein 932	0,867464017	6,397393046	6,187972525	0,012240674	0,014995039
GINS complex subunit 3 (Psf3 homolog)	0,93065459	7,810602078	6,184209373	0,012264845	0,015014157
olfactory receptor 1287	0,760777478	4,689371913	6,179977499	0,012292092	0,015037011
sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic do	0,731959527	5,271486918	6,16906915	0,012362647	0,015112776
GTP binding protein 3	0,967638492	7,584480999	6,165309076	0,012387075	0,015132085
cytochrome P450, family 4, subfamily f, polypeptide 13	0,927006568	8,210235821	6,157685271	0,012436773	0,015182217
sorting nexin 17	0,8479607	11,70464908	6,152121622	0,012473186	0,015210437
electron transferring flavoprotein, beta polypeptide	0,766026118	9,336020842	6,151502853	0,012477244	0,015210437
pellino 2	0,962094011	5,249991186	6,149195516	0,012492386	0,015218313
ancient ubiquitous protein 1	0,925206549	7,4382633	6,141768868	0,012541269	0,015267253
sine oculis-related homeobox 6 homolog (Drosophila)	0,844266238	4,699590602	6,13738208	0,012570247	0,01529191
CDC like kinase 4	0,892607437	8,147518381	6,129361527	0,012623426	0,015345182
SID1 transmembrane family, member 2	0,814176199	7,312661726	6,12814048	0,012631544	0,015345182
bicaudal C homolog 1 (Drosophila)	0,74762939	5,164577114	6,113749517	0,012727681	0,015451263
RIKEN cDNA 4930506M07 gene	0,940277442	7,40477364	6,104289329	0,012791335	0,015515484
RAB3 GTPase activating protein subunit 2	0,689371605	5,862037035	6,103260001	0,012798283	0,015515484
zinc finger protein 362	0,8857699	9,55476782	6,096533523	0,012843793	0,015559228
kelch repeat and BTB (POZ) domain containing 3	0,918916576	4,893926381	6,095306125	0,012852118	0,015559228
polycystic kidney disease 1 homolog	0,866020854	5,20958742	6,08165924	0,012945091	0,01566097
adaptor protein complex AP-1, gamma 2 subunit	0,831669931	5,433448729	6,078824801	0,012964498	0,015673631
vascular endothelial zinc finger 1	0,879028607	7,863810331	6,073222917	0,013002952	0,015709287
interleukin 6 receptor, alpha	0,81451471	5,107922085	6,068019142	0,01303879	0,015741397
WD repeat domain 46	0,774147782	5,442650446	6,066758361	0,01304749	0,015741397
isopentenyl-diphosphate delta isomerase 2	0,768599562	4,589272924	6,058630678	0,013103735	0,015787939
Kruppel-like factor 13	0,919146224	7,182874716	6,058581016	0,013104079	0,015787939
mitogen-activated protein kinase 3	0,901129451	7,020042186	6,047560216	0,013180792	0,015869456
S-phase kinase-associated protein 2 (p45)	0,878001658	6,355180951	6,035712851	0,013263833	0,015958475
CD200 receptor 1	0,835935082	4,736521121	6,030991103	0,013297096	0,015977513
protein inhibitor of activated STAT 3	0,792711144	7,228993707	6,030879342	0,013297884	0,015977513
pyrroline-5-carboxylate reductase family, member 2	0,93807729	8,626942051	6,02112415	0,013366914	0,016049452
DDB1 and CUL4 associated factor 4	1,006651357	6,515176198	6,01456943	0,013413527	0,016088183
cathepsin B	0,745650222	5,399172821	6,014008304	0,013417526	0,016088183
SH3 domain and tetratricopeptide repeats 1	0,710836168	7,472211279	6,010694207	0,013441173	0,016104991
ets variant gene 2	0,744285919	4,741037822	6,009470212	0,013449919	0,016104991
DCN1, defective in cullin neddylation 1, domain containing 3 (S. cerevisiae)	0,961949738	5,648052766	5,998515572	0,013528482	0,016188006
protein phosphatase 1, regulatory (inhibitor) subunit 14B	0,955046471	10,96528395	5,996762916	0,013541101	0,016192053
solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 26	0,962987693	6,593173841	5,989052741	0,013596771	0,016234475
ankyrin repeat and BTB (POZ) domain containing 1	0,968039981	7,35493167	5,987745051	0,013606239	0,016234475
tyrosine kinase 2	0,757622898	6,493738788	5,987453897	0,013608348	0,016234475
eukaryotic translation initiation factor 4, gamma 1	0,827211973	8,761657942	5,986726115	0,013613621	0,016234475
DPH3 homolog (KTI11, S. cerevisiae)	0,998970749	5,120315651	5,983671358	0,013635782	0,016249847
C-type lectin domain family 16, member A	0,753443848	5,822330921	5,978539273	0,013673105	0,016283256
mitochondrial ribosomal protein S31	0,75706312	7,582890544	5,976689726	0,013686585	0,016288244
RIKEN cDNA 4933400C05 gene	0,754901701	4,525915072	5,970516481	0,013731686	0,016321699
RAD9 homolog (S. pombe)	0,77407398	6,657833654	5,970293599	0,013733318	0,016321699
keratinocyte associated protein 2	0,984735776	11,43896267	5,968217764	0,013748524	0,016328701
asparagine-linked glycosylation 6 homolog (yeast, alpha-1,3,-glucosyltransferase)	0,908133774	7,737006446	5,959052348	0,013815896	0,016397607
TRM1 tRNA methyltransferase 1 homolog (S. cerevisiae)	0,689388388	5,782868929	5,953369099	0,013857862	0,016431869
mannoside acetylglucosaminyltransferase 4, isoenzyme B	0,807353597	8,764921926	5,952605609	0,01386351	0,016431869
ribosomal protein L8	0,814137299	13,0917201	5,950334152	0,013880332	0,01644069
RIKEN cDNA 2510012J08 gene	0,680312279	5,817053857	5,947211803	0,013903493	0,016457004
interferon regulatory factor 2 binding protein 2	0,91742756	5,996391889	5,937499005	0,013975824	0,016531457
guanine nucleotide binding protein, alpha 15	0,744355815	4,813368791	5,933873724	0,014002932	0,01654922
mitochondrial ribosomal protein S23	0,808959952	9,343071966	5,932966974	0,014009722	0,01654922
sigma non-opioid intracellular receptor 1	0,818844196	5,814387493	5,923792125	0,014078635	0,016619425
liver glycogen phosphorylase	0,974291102	7,013241426	5,920657005	0,014102272	0,016636126
collagen, type I, alpha 1	0,719564258	4,779932689	5,91712029	0,014128992	0,016648869
transmembrane protein 19	0,936175258	6,754419655	5,916713424	0,014132069	0,016648869
HEAT repeat containing 1	0,807993379	6,094290139	5,915232352	0,014143279	0,016650885
histone cluster 1, H2ai	0,806277484	8,211560546	5,908765765	0,01419234	0,016697431
NADH dehydrogenase (ubiquinone) Fe-S protein 8	0,877066257	10,17658037	5,906589673	0,014208894	0,016705695
retinoblastoma 1	0,985814832	9,088041389	5,903735359	0,014230641	0,016720049
paraoxonase 2	0,829424045	11,69974951	5,896248697	0,014287862	0,016776037
testis expressed gene 264	0,842902087	9,054644797	5,893283391	0,014310599	0,016791487
histone cluster 1, H2bg	0,821420668	4,934946068	5,876841406	0,014437427	0,01692897
TMF1-regulated nuclear protein 1	0,674887843	4,948798744	5,873543987	0,014463018	0,01694764
SET domain containing (lysine methyltransferase) 8	0,934729482	6,951268152	5,870868276	0,014483821	0,016953112

predicted gene 14461	0,782771044	4,606532639	5,870456018	0,014487029	0,016953112
LIM domain containing 2	0,834618939	5,102528202	5,866674402	0,014516497	0,016965173
regulatory factor X, 5 (influences HLA class II expression)	0,752264217	4,595642306	5,866649496	0,014516691	0,016965173
radial spoke head 9 homolog (Chlamydomonas)	0,786837547	5,665928803	5,855036982	0,014607613	0,017060057
WD repeat domain 46	0,892242099	5,810339876	5,847487815	0,01466707	0,017118091
poly(rC) binding protein 2	0,770652856	10,74175563	5,84032343	0,014723753	0,017172814
itchy, E3 ubiquitin protein ligase	0,817134205	7,72315372	5,835656293	0,014760814	0,017204592
zinc finger protein 12	0,820208995	7,45444971	5,83241761	0,014786594	0,017219314
dedicator of cytokinesis 8	0,902372825	5,877163468	5,831602603	0,01479309	0,017219314
estrogen related receptor, alpha	0,777507362	7,384072382	5,827999313	0,014821848	0,01724134
poly(rC) binding protein 2	0,835065429	12,17615534	5,818227589	0,01490016	0,017320942
phosphorylase kinase, gamma 2 (testis)	0,880565283	7,681640357	5,805339609	0,015004172	0,017430294
FH2 domain containing 1	0,730863812	4,918889894	5,803393145	0,015019954	0,017437072
RIKEN cDNA 5730494M16 gene	0,855908298	6,386761269	5,800864777	0,015040481	0,017449347
SCAN domain-containing 1	0,887767772	10,00455616	5,791428706	0,015117376	0,017526958
microtubule associated monoxygenase, calponin and LIM domain containing 2	0,795274318	5,120844427	5,786724698	0,015155877	0,017559982
K(lysine) acetyltransferase 5	0,862200567	7,518405451	5,782676621	0,0151891	0,017586851
trans-2,3-enoyl-CoA reductase	0,975956944	9,2464768	5,774294183	0,015258161	0,017655153
heterogeneous nuclear ribonucleoprotein D	0,870343785	4,64390402	5,772569065	0,015272419	0,017659993
itchy, E3 ubiquitin protein ligase	0,865582059	6,572819212	5,763195981	0,015350151	0,017738178
cullin 4B	0,772814609	7,122157747	5,76189013	0,015361017	0,01773904
CWF19-like 1, cell cycle control (S. pombe)	0,775700827	7,669024098	5,757071466	0,015401188	0,017773722
chemokine (C-X-C motif) ligand 12	0,795489652	4,683271262	5,753088054	0,015434487	0,017800432
CCAAT/enhancer binding protein (C/EBP), alpha	0,835628074	4,820872718	5,75167414	0,015446327	0,017802374
apurinic/apyrimidinic endonuclease 1	0,87595471	8,221370216	5,728347002	0,015643167	0,018017392
eukaryotic translation elongation factor 2	0,823264863	7,723375118	5,717631068	0,015734554	0,01811075
ribosomal protein S6	0,788802058	12,90352036	5,711359982	0,015788318	0,01816071
small nuclear ribonucleoprotein 25 (U11/U12)	0,865287422	9,537373515	5,701319417	0,015874839	0,018248258
NECAP endocytosis associated 1	0,791094635	7,214589134	5,699722721	0,015888648	0,018252162
ATP synthase, H+ transporting, mitochondrial F0 complex, subunit c1 (subunit 9)	0,941411612	11,04131292	5,691527328	0,015959743	0,018321827
N-acylsphingosine amidohydrolase 1	0,813080528	8,468168315	5,684818913	0,01601821	0,018376912
transmembrane protein 132A	0,636533847	5,121735867	5,680657529	0,016054602	0,018406617
serine/threonine kinase 25 (yeast)	0,821337322	6,257489489	5,66140836	0,016224177	0,018588877
quinoid dihydropteridine reductase	0,950082985	8,128123312	5,652936289	0,016299461	0,018662936
angiogenin, ribonuclease, RNase A family, 5	0,866787248	4,971180816	5,650144908	0,016324354	0,018679238
StAR-related lipid transfer (START) domain containing 5	0,779537325	7,696666383	5,648826496	0,016336126	0,018680515
fibulin 1	0,822925029	4,803675875	5,633593411	0,016472853	0,018800404
echinoderm microtubule associated protein like 1	0,845368057	4,687203796	5,633414105	0,01647447	0,018800404
osteopetrosis associated transmembrane protein 1	0,836587938	10,45506046	5,631482705	0,016491901	0,018800404
prune homolog (Drosophila)	0,911665975	5,470577108	5,631475286	0,016491968	0,018800404
HCLS1 binding protein 3	0,828827221	5,01568795	5,631184598	0,016494593	0,018800404
breast cancer metastasis-suppressor 1-like	0,945035544	7,679170696	5,625319917	0,016547662	0,018848637
core binding factor beta	0,872041298	10,67972179	5,62112189	0,01658577	0,018879776
3-hydroxy-3-methylglutaryl-Coenzyme A lyase	0,865273275	10,56037196	5,595489131	0,016820648	0,019124779
colony stimulating factor 3 receptor (granulocyte)	0,755245809	5,325170051	5,595253624	0,016822823	0,019124779
ring finger protein 181	0,945412713	11,33858739	5,589401492	0,016876989	0,019173922
tyrosine kinase 2	0,942201743	6,094205706	5,585240858	0,01691562	0,019205364
Ras-GTPase-activating protein SH3-domain binding protein 1	0,99047972	10,4625424	5,563248111	0,017121514	0,019410371
zinc finger protein 318	0,989573567	7,905484099	5,562521413	0,017128366	0,019410371
RAB42, member RAS oncogene family, pseudogene	0,763701694	4,855555679	5,560928625	0,017143396	0,019410371
chromatin assembly factor 1, subunit B (p60)	0,789531755	6,729839697	5,560306474	0,017149271	0,019410371
acylpeptide hydrolase	0,987816571	10,80079447	5,560065318	0,017151548	0,019410371
Sfi1 homolog, spindle assembly associated (yeast)	0,740759734	5,363169706	5,55643352	0,017185894	0,019436691
histone cluster 1, H2an	0,886783059	7,212370089	5,552722874	0,017221066	0,019463913
diaphanous homolog 1 (Drosophila)	0,86187472	6,481447731	5,54960896	0,017250646	0,019475069
phosphatidylserine decarboxylase, pseudogene 2	0,734610496	5,382113788	5,549344978	0,017253156	0,019475069
interleukin 18 receptor accessory protein	0,927549769	4,801284501	5,537947649	0,017361938	0,019585249
lysosomal-associated membrane protein 2	0,931120484	10,32973024	5,528043909	0,017457103	0,019679937
methyltransferase like 8	0,826978737	4,853760416	5,524638609	0,017489963	0,019704309
pelota homolog (Drosophila)	0,971450811	9,417177344	5,517337434	0,017560656	0,019771246
predicted pseudogene 6987	0,823079887	4,685050124	5,50782098	0,01765329	0,019862784
branched chain ketoacid dehydrogenase kinase	0,86676983	7,549655268	5,50482444	0,017682575	0,019882972
CDC-like kinase 2	0,78349111	7,820792704	5,498466522	0,017744894	0,019940256
ribosome binding protein 1	0,928612425	6,631224029	5,491298797	0,017815453	0,02000672
SWI/SNF related matrix associated, actin dependent regulator of chromatin, subfamily a-like 1	0,710106355	5,660624799	5,481201872	0,017915394	0,020106073
zinc finger protein 592	0,901765497	6,842476198	5,474160551	0,01798547	0,020171804
RAB1B, member RAS oncogene family	0,883637624	5,210342247	5,464300485	0,018084128	0,020269487
bromodomain PHD finger transcription factor	0,881731375	4,723540477	5,453659959	0,018191292	0,020376572
RAB7, member RAS oncogene family-like 1	0,89159519	9,555596123	5,443972843	0,018289488	0,020470072
PHD finger protein 20-like 1	0,78539462	5,335883434	5,443124208	0,018298119	0,020470072
kallikrein 1-related peptidase b5	0,803794453	4,668199926	5,427524191	0,018457619	0,020635336
RIKEN cDNA 1810043H04 gene	0,871109233	7,212450524	5,423099977	0,018503144	0,020673047
cornichon homolog 4 (Drosophila)	0,948169304	10,40077396	5,41827453	0,018552944	0,020710813
predicted gene 5150	0,933322521	4,749417634	5,41753639	0,018560575	0,020710813
CCR4-NOT transcription complex, subunit 3	0,777153166	6,810909933	5,414018994	0,018596989	0,020738246
shisa homolog 4 (Xenopus laevis)	0,777527523	4,61678119	5,403220748	0,018709293	0,020850217
replication factor C (activator 1) 2	0,807202034	7,881665327	5,394320415	0,018802443	0,020940713
lymphocyte antigen 6 complex, locus E	0,763268336	9,587081402	5,390457903	0,018843033	0,020972595
fibroblast growth factor (acidic) intracellular binding protein	0,871130731	9,152695189	5,387767902	0,018871361	0,020990797
widely-interspaced zinc finger motifs	0,78414043	5,662575516	5,386192118	0,018887978	0,020995958
transmembrane channel-like gene family 6	0,855893971	7,086157919	5,362837058	0,019136239	0,021258446

nuclear mitotic apparatus protein 1	0,700822234	6,266559229	5,35854601	0,019182258	0,021296073
RD RNA-binding protein	0,890833111	8,655318986	5,356991993	0,019198956	0,02130112
olfactory receptor 372	0,789688165	4,668640698	5,352477071	0,019247561	0,02134154
RAD54 homolog B (S. cerevisiae)	0,807297823	4,817429812	5,349378659	0,019280999	0,021365102
tumor necrosis factor receptor superfamily, member 1a	0,813409103	5,646097313	5,344850475	0,019329987	0,021405854
RIKEN cDNA A930005H10 gene	0,710932343	5,007679188	5,337809559	0,019406442	0,021476952
SUMO/sentrin specific peptidase 3	0,810828129	9,075093975	5,334644289	0,019440925	0,021501541
RIKEN cDNA 2500003M10 gene	0,972217968	10,50371512	5,332654637	0,019462637	0,021511982
annexin A3	0,895209969	13,22580956	5,329449011	0,019497677	0,021537131
nucleolar complex associated 2 homolog (S. cerevisiae)	0,881863142	8,25281805	5,324402742	0,019552983	0,021580694
methionine-tRNA synthetase 2 (mitochondrial)	0,937407494	5,405194644	5,323605545	0,019561736	0,021580694
solute carrier family 45, member 4	0,767951133	5,741874656	5,322444267	0,019574495	0,021581189
DEAD (Asp-Glu-Ala-Asp) box polypeptide 51	0,843401581	7,349212601	5,318113191	0,019622166	0,021620149
sphingosine phosphate lyase 1	0,817581998	8,593163506	5,312331954	0,019686007	0,021663483
chemokine-like factor	0,925203996	8,677236566	5,312313446	0,019686211	0,021663483
transmembrane protein 106C	0,969024673	7,680124947	5,299541225	0,019828099	0,021805933
sorting nexin 33	0,740530404	5,516086947	5,297954071	0,019845812	0,02181173
zinc finger protein 579	0,75799545	7,158455335	5,295015966	0,019878651	0,021834132
BCL2-associated athanogene 4	0,877965912	7,701215183	5,293694058	0,019893446	0,021836701
lysyl oxidase-like 4	0,808531239	4,63367643	5,291052278	0,019923051	0,021855513
dynactin 6	0,848937284	8,61676212	5,281002116	0,020036142	0,021965827
polo-like kinase 1 substrate 1	0,812291526	6,056890524	5,274552318	0,020109107	0,02203204
elongation factor Tu GTP binding domain containing 1	0,819719707	5,56478171	5,267564816	0,020188499	0,022105208
coronin, actin binding protein 1A	0,930523295	12,78807512	5,2664447	0,020201259	0,022105373
TEA domain family member 2	0,757666528	4,821984133	5,257368983	0,020304989	0,022205019
NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, assembly factor 4	0,945569621	8,69671735	5,254918612	0,0203331	0,022221898
hypothetical LOC100502854	0,96164528	6,090022285	5,239015189	0,020516635	0,022408512
zinc finger, DHHC domain containing 3	0,865319174	6,182893983	5,236527835	0,020545512	0,022426079
capping protein (actin filament) muscle Z-line, beta	0,786391881	5,505710838	5,22242042	0,020710177	0,022591749
polypyrimidine tract binding protein 1	0,970351321	4,845972639	5,214688212	0,020801071	0,02266836
guanine nucleotide binding protein-like 1	0,843105173	7,613152536	5,214247124	0,02080627	0,02266836
selectin, platelet	0,769908497	4,968758198	5,209659786	0,020860427	0,022713247
CDC42 small effector 1	0,861692447	7,569466355	5,200723615	0,02096639	0,022814451
TBC1 domain family, member 10c	0,957120152	5,209831228	5,183055782	0,021177712	0,023030105
cytochrome c oxidase subunit IV isoform 1	0,841432151	12,9850349	5,178654897	0,02123073	0,023061496
pregnancy-specific glycoprotein 23	0,940826328	5,489967572	5,178475945	0,021232889	0,023061496
histone deacetylase 5	0,724704562	4,979801558	5,176768802	0,021253498	0,023069587
signal recognition particle receptor, B subunit	0,874710897	4,980655787	5,160601599	0,021449817	0,023268273
S-adenosylhomocysteine hydrolase	0,882891624	6,372084059	5,13611611	0,021751119	0,023580527
RAS-like, family 11, member B	0,752592332	5,191537331	5,129940962	0,021827871	0,023649108
phospholipase D2	0,956831492	6,037981359	5,124199122	0,021899515	0,023704879
mitochondrial ribosomal protein L34	0,835921597	9,080408881	5,123649165	0,021906392	0,023704879
motile sperm domain containing 3	0,724332471	5,273415646	5,122390845	0,021922134	0,02370728
zinc finger protein 28	0,956176208	4,678771902	5,119502737	0,021958316	0,023731768
CDKN2A interacting protein N-terminal like	0,769561869	8,743364754	5,115025816	0,022014537	0,02377787
erythroid differentiation regulator 1	0,853993865	5,103051221	5,112483294	0,022046539	0,023797773
vacuolar protein sorting 16 (yeast)	0,823840531	9,230443239	5,105471578	0,022135072	0,023878635
transmembrane protease, serine 2	0,709148501	4,954085556	5,103377118	0,022161597	0,023892545
cytochrome P450, family 4, subfamily f, polypeptide 16	0,847701388	5,88682626	5,101955542	0,02217962	0,02389728
zinc finger protein 28	0,879064192	7,088385033	5,094816806	0,022270385	0,023980335
CDP-diacylglycerol synthase 1	0,736332858	5,891810108	5,093137839	0,022291794	0,023988652
hypothetical LOC100504137	0,769074288	4,654948824	5,076892049	0,022500171	0,024198037
clathrin, light polypeptide (Lcb)	0,848035591	5,865434275	5,06275717	0,022683291	0,024380018
activating transcription factor 7 interacting protein	0,929481211	8,722021017	5,050726571	0,022840497	0,024533941
AKT1 substrate 1 (proline-rich)	0,78586297	7,442096794	5,031102231	0,02309962	0,024797082
signal sequence receptor, delta	0,901235341	11,94026401	5,02500986	0,02318075	0,024868944
cyclin-dependent kinase 9 (CDC2-related kinase)	0,804987431	6,949096787	5,020446425	0,023241733	0,024914498
DnaJ (Hsp40) homolog, subfamily C, member 13	0,799049134	8,1993601	5,019706648	0,023251636	0,024914498
rabaptin, RAB GTPase binding effector protein 2	0,85042348	7,048926666	5,017978166	0,023274794	0,024924077
galactose-1-phosphate uridyl transferase	0,702522498	6,26626837	5,008251769	0,023405601	0,025048851
ankyrin repeat and SAM domain containing 1	0,785212301	5,949832404	5,00572938	0,023439661	0,025069997
non-SMC condensin II complex, subunit G2	0,76693025	5,007688308	5,001325293	0,023499266	0,025118423
ATP-binding cassette, sub-family B (MDR/TAP), member 8	0,838374915	5,759915151	4,996348005	0,023566838	0,0251753
regulator of telomere elongation helicase 1	0,805034585	5,775981568	4,992394538	0,02362067	0,025212526
retinitis pigmentosa 9 (human)	0,870918094	9,04296776	4,991055962	0,023638928	0,025212526
frizzled homolog 5 (Drosophila)	0,765019913	6,45030831	4,990623295	0,023644833	0,025212526
protein kinase N1	0,727714531	5,275300456	4,982804708	0,023751835	0,025311226
RIKEN cDNA 2210404J11 gene	0,922659103	7,516545519	4,973601821	0,023878493	0,02543074
phosphofructokinase, muscle	0,824123899	6,104137265	4,958482644	0,024088262	0,025638569
dihydrolipoamide S-succinyltransferase (E2 component of 2-oxo-glutarate complex)	0,841128183	9,133389708	4,953440006	0,024158695	0,025697932
asparagine-linked glycosylation 3 homolog (yeast, alpha-1,3-mannosyltransferase)	0,880889659	6,226400519	4,95226538	0,024175135	0,025699826
RIKEN cDNA 1110014N23 gene	0,83026371	9,6490171	4,949459223	0,024214463	0,025726033
Max dimerization protein 4	0,752060265	5,170514511	4,946848344	0,02425112	0,025749372
reticulon 3	0,879265281	9,415060052	4,945580844	0,024268939	0,025752693
septin 6	0,796621642	4,552772499	4,930066127	0,024488268	0,025963085
receptor accessory protein 4	0,78304484	6,67445717	4,929463698	0,02449683	0,025963085
secretion regulating guanine nucleotide exchange factor	0,859415736	6,937405816	4,926871176	0,024533716	0,025986468
zinc finger protein 862	0,795205829	6,745164982	4,923121744	0,024587175	0,026027366
cell growth regulator with ring finger domain 1	0,800222591	6,833184786	4,915895891	0,024690579	0,026121053
STT3, subunit of the oligosaccharyltransferase complex, homolog B (S. cerevisiae)	0,897458425	5,73580688	4,910003874	0,024775263	0,026194835
SEC16 homolog A (S. cerevisiae)	0,775511921	8,59253538	4,900727187	0,024909271	0,026320647

LIM domain containing preferred translocation partner in lipoma	0,835762832	5,393769883	4,899361353	0,024929072	0,026325701
ADP-ribosyltransferase 4	0,815479094	4,835777129	4,892018754	0,025035828	0,02642252
plectin	0,898364814	6,168834325	4,890455075	0,02505863	0,026428058
high mobility group nucleosomal binding domain 1	0,826271617	10,73591509	4,88959191	0,025071227	0,026428058
testis expressed gene 2	0,805546349	4,875053623	4,885666906	0,025128601	0,026472619
hairy and enhancer of split 6 (Drosophila)	0,814757892	8,132336856	4,882595177	0,025173608	0,026504105
gelsolin	0,759345108	6,07603594	4,881035819	0,025196491	0,026512274
fibronectin type III domain containing 5	0,773565792	5,155028615	4,875375296	0,025279757	0,026579476
ubiquitin associated protein 2-like	0,786122495	6,409040907	4,87438896	0,025294298	0,026579476
phospholipase C-like 2	0,939853821	8,623595622	4,873358283	0,025309503	0,026579476
solute carrier family 22, member 23	0,883787542	7,876878806	4,872578991	0,025321007	0,026579476
leucine zipper protein 1	0,868479042	8,682907173	4,868886945	0,025375589	0,02662083
ubiquitin associated protein 2-like	0,890731091	7,307675001	4,864582098	0,025439401	0,026671812
lymphocyte antigen 6 complex, locus E	0,756449786	7,854493208	4,861984214	0,025477999	0,026682352
ORAI calcium release-activated calcium modulator 2	0,809476852	4,570466221	4,861856626	0,025479896	0,026682352
nardilysin, N-arginine dibasic convertase, NRD convertase 1	0,818853476	10,05416308	4,859657603	0,025512623	0,026700674
SAR1 gene homolog B (S. cerevisiae)	0,879133455	9,872638474	4,838185301	0,025834734	0,027021652
DNA methyltransferase 3B	0,8468488	5,469196203	4,83126352	0,025939561	0,027115117
malectin	0,922434954	6,061660603	4,826146182	0,026017375	0,027180249
kelch repeat and BTB (POZ) domain containing 7	0,8227098	6,164116291	4,824261416	0,026046102	0,027194054
phosphatidylinositol 4-kinase type 2 beta	0,826122795	8,404788799	4,819785932	0,026114461	0,027249197
aarF domain containing kinase 1	0,851639868	6,089979642	4,818291279	0,026137337	0,027256842
cytochrome b-561 domain containing 1	0,865065915	7,229106811	4,809588516	0,026270989	0,027368031
hypoxia inducible factor 3, alpha subunit	0,850057274	4,708980155	4,808975761	0,026280428	0,027368031
methylenetetrahydrofolate dehydrogenase (NADP+ dependent), methenyltetrahydrofolate cyclohy	0,931187638	6,771082924	4,808303116	0,026290795	0,027368031
tetraspanin 17	0,827028021	6,090870371	4,794873536	0,026498759	0,027568146
shroom family member 1	0,744353636	4,632628102	4,775080193	0,026808718	0,027874071
Rab40c, member RAS oncogene family	0,853096216	8,9716614	4,743296862	0,027315177	0,028383821
solute carrier family 12 (potassium/chloride transporters), member 9	0,920892511	5,874088043	4,741578675	0,027342867	0,028395762
DnaJ (Hsp40) homolog, subfamily A, member 4	0,897023378	5,63832804	4,738460967	0,027393193	0,028431183
oxysterol binding protein-like 8	0,747154521	5,93108752	4,737363783	0,02741093	0,028432757
H2A histone family, member J	0,845998211	5,942249163	4,728203458	0,027559523	0,028569984
zinc finger CCCH-type containing 4	0,826013061	8,159660253	4,72251447	0,027652271	0,028649191
myosin IC	0,906743426	5,710437846	4,704198006	0,027953327	0,028943994
RIKEN cDNA 1700021F05 gene	0,946776048	8,947819717	4,695342793	0,028100221	0,029078918
metallo-beta-lactamase domain containing 1	0,917987745	5,724641389	4,692374842	0,028149652	0,029112885
N-terminal Asn amidase	0,922883415	9,412694473	4,689943004	0,028190229	0,02913766
WW domain containing E3 ubiquitin protein ligase 1	0,896545789	5,866039664	4,678388703	0,028383939	0,029320593
nucleoporin 107	0,851266156	5,516632477	4,674835763	0,028443812	0,029365136
dedicator of cytokinesis 4	0,750028215	5,812607511	4,67283201	0,028477642	0,029382758
transmembrane protein 20	0,824560576	5,557199187	4,66749249	0,028568016	0,029444091
zinc finger, FYVE domain containing 27	0,858821725	5,796152256	4,667335496	0,028570678	0,029444091
dual specificity phosphatase 13	0,766434351	4,901806525	4,663865303	0,028629596	0,029487474
GPI anchor attachment protein 1	0,816462339	5,844792111	4,662743472	0,028648672	0,029489796
galactosidase, beta 1-like	0,939012436	4,926640679	4,657226089	0,028742706	0,029569228
solute carrier family 35, member B3	0,823377124	9,6126905	4,654062306	0,028796787	0,029600788
RIKEN cDNA 4930451C15 gene	0,87424883	4,756487001	4,653456507	0,028807156	0,029600788
cytochrome c-1	0,894616493	9,8560033	4,635935114	0,029108907	0,02989333
transducin (beta)-like 1X-linked receptor 1	0,813147419	7,581088588	4,630151576	0,029209305	0,029978871
retinoic acid receptor responder (tazarotene induced) 1	0,820971261	4,836303347	4,614127952	0,029489543	0,030248783
mitochondrial ribosomal protein L12	0,841467192	10,05384779	4,59954889	0,029747199	0,030495228
cytoplasmic polyadenylation element binding protein 2	0,833281943	5,72578557	4,592632904	0,029870328	0,030603556
nucleobindin 1	0,869723849	8,617960845	4,584826617	0,030010009	0,030718242
COX19 cytochrome c oxidase assembly homolog (S. cerevisiae)	0,933795415	9,092554768	4,584419601	0,030017313	0,030718242
RAB8A, member RAS oncogene family	0,895006469	12,10688885	4,577175845	0,030147635	0,030833608
bone morphogenetic protein 1	0,818377812	6,238196467	4,554916812	0,030552177	0,031229135
annexin A6	0,898431397	8,581381391	4,548936696	0,03066192	0,031323045
RIKEN cDNA 9830001H06 gene	0,827382909	5,509998686	4,546636968	0,030704243	0,031348013
kin of IRRE like (Drosophila)	0,84919169	5,540395797	4,535987033	0,030901115	0,031530649
NIMA (never in mitosis gene a)-related expressed kinase 3	0,848567661	4,943397451	4,529141015	0,031028433	0,031642143
adenosine deaminase-like	0,852932533	4,916935524	4,512702938	0,031336603	0,031937828
dual specificity phosphatase 27 (putative)	0,830683313	4,772004587	4,48347579	0,031893242	0,03248626
neural precursor cell expressed, developmentally down-regulated gene 1	0,871743336	7,933041876	4,476920907	0,032019634	0,032596061
F-box protein 3	0,903918754	6,853514346	4,471618878	0,032122287	0,032681584
polymerase (DNA-directed), delta interacting protein 2	0,881691494	8,826295664	4,462820121	0,032293476	0,032836696
cyclin D3	0,904293951	8,706910539	4,453731819	0,032471398	0,03299847
cleft lip and palate associated transmembrane protein 1	0,876949602	7,950627791	4,449450358	0,032555605	0,033064876
component of oligomeric golgi complex 7	0,814234039	5,555389482	4,444336997	0,032656503	0,033148147
protein phosphatase 2, regulatory subunit B, delta isoform	0,835563361	8,602968606	4,438043694	0,032781176	0,033255441
ectonucleotide pyrophosphatase/phosphodiesterase 7	0,87395641	4,634309578	4,43561334	0,032829468	0,033264738
tubulin-specific chaperone d	0,893065436	8,055999183	4,434882048	0,032844015	0,033264738
BTB (POZ) domain containing 1	0,906671249	8,148016476	4,43471857	0,032847268	0,033264738
zinc finger protein 704	0,893071239	6,739808975	4,430725537	0,032926839	0,033326067
ARP1 actin-related protein 1 homolog A, centractin alpha (yeast)	0,906749849	10,38997158	4,42442286	0,033052884	0,033434337
myosin IXa	0,898120901	5,772061112	4,421667199	0,033108167	0,033443633
patatin-like phospholipase domain containing 2	0,840315744	10,76364106	4,421391637	0,033113701	0,033443633
tRNA splicing endonuclease 2 homolog (S. cerevisiae)	0,84416009	5,360812525	4,4211125	0,033119308	0,033443633
RD RNA-binding protein	0,826925426	8,836373772	4,405093635	0,033442907	0,03375096
hairy and enhancer of split 6 (Drosophila)	0,803824012	6,147163707	4,403943494	0,033466281	0,033755115
phosphoprotein enriched in astrocytes 15A	0,884068368	7,135234471	4,395833124	0,033631634	0,033902388
RIKEN cDNA 2610029G23 gene	0,859382281	9,617808191	4,373335996	0,034095227	0,034349961

macrophage expressed gene 1	0,759836274	5,660635128	4,342365141	0,034745475	0,034984961
integrin beta 1 binding protein 1	0,842914259	9,308923331	4,331760971	0,034971374	0,035192204
choline kinase alpha	0,845058576	4,990233932	4,304853295	0,035552184	0,035756155
ralA binding protein 1	0,863765643	9,777517423	4,290414837	0,035868398	0,036053499
intercellular adhesion molecule 4, Landsteiner-Wiener blood group	0,841203191	5,016384795	4,277285216	0,036158751	0,036324521
nasal embryonic LHRH factor	0,802973189	6,41401319	4,262877534	0,036480472	0,036626729
AFG3(ATPase family gene 3)-like 1 (yeast)	0,867301007	7,229581569	4,254477434	0,03666956	0,0367955
ATPase, H+ transporting, lysosomal accessory protein 2	0,89522572	9,858759276	4,25002219	0,036770304	0,036875483
transmembrane protein 183A	0,885189291	7,289652095	4,248078018	0,036814367	0,036898562
endothelial PAS domain protein 1	0,857372383	4,558539811	4,240202636	0,036993472	0,037056889
staphylococcal nuclease and tudor domain containing 1	0,833913659	6,29626819	4,232048158	0,037179979	0,037222446
transmembrane protein 111	0,878955208	10,88037258	4,20346784	0,037842224	0,037863823
RIKEN cDNA 2410016O06 gene	0,87132121	8,438005893	4,190360676	0,038150452	0,038150452

Panel 7: Genes significantly down-regulated in *Porphyromonas gingivalis* treated DCs (FDR < 0.05) and up-regulated in response to *Aggregatibacter actinomycetemcomitans* challenge.

Name	FC Pg	AveExpr	F	P.Value	adj.P.Val
F-box protein 32	0,685794387	5,755409889	181,2808552	1,51E-10	2,11E-09
interferon-induced protein with tetratricopeptide repeats 3	0,594603952	6,615851146	143,8407912	6,85E-10	4,80E-09
decorin	0,544599894	6,58714326	57,35822318	2,30E-07	1,07E-06
acid phosphatase 6, lysophosphatidic	0,697614737	6,642894336	42,96435134	1,30E-06	4,55E-06
dystrophia myotonica-containing WD repeat motif	0,696759172	5,280681459	39,79381694	2,04E-06	5,11E-06
calpain 5	0,609042775	6,632619037	38,77700806	2,37E-06	5,11E-06
mitochondrial ribosomal protein S6	0,731804771	9,008296384	38,02572133	2,65E-06	5,11E-06
ras homolog gene family, member C	0,692222971	7,95388114	37,39249928	2,92E-06	5,11E-06
phospholipid transfer protein	0,632139665	5,880096032	35,97225884	3,65E-06	5,68E-06
EH-domain containing 4	0,664848474	9,939184064	33,57209825	5,41E-06	7,57E-06
unc-119 homolog B (C. elegans)	0,675506454	7,035654829	31,07623522	8,35E-06	1,06E-05
inhibitor of DNA binding 3	0,600629523	5,262942343	28,1529298	1,44E-05	1,68E-05
unc-119 homolog B (C. elegans)	0,691828957	7,422373965	25,29229301	2,58E-05	2,78E-05
diacylglycerol kinase, alpha	0,72789851	9,354917087	24,09999616	3,34E-05	3,34E-05

Panel 8: Genes significantly up-regulated in *Porphyromonas gingivalis* treated DCs (FDR < 0.05) and down-regulated in response to *Aggregatibacter actinomycetemcomitans* challenge.

Name	FC Pg	AveExpr	F	P.Value	adj.P.Val
pro-platelet basic protein	8,98669363	6,860449198	732,3841434	1,34E-14	6,30E-13
pro-platelet basic protein	11,40469849	6,51917646	539,3369829	1,06E-13	2,48E-12
carbonyl reductase 3	1,392230355	8,213968244	254,4259663	1,61E-11	2,52E-10
DNA (cytosine-5-)-methyltransferase 3-like	5,245216189	7,010180993	218,6236582	4,39E-11	4,86E-10
glutathione S-transferase, alpha 3	3,653904219	8,703297172	213,33717	5,17E-11	4,86E-10
glutamate-cysteine ligase, modifier subunit	1,676705649	9,058563264	150,0433981	5,21E-10	4,08E-09
G protein-coupled receptor 155	1,755526277	5,942490385	142,4028115	7,32E-10	4,91E-09
nicotinamide N-methyltransferase	1,651875411	5,690170036	138,3465011	8,83E-10	5,02E-09
NAD(P)H dehydrogenase, quinone 1	2,896923987	7,711821867	136,5440558	9,61E-10	5,02E-09
transferrin receptor	1,4273356	7,561098902	122,8840473	1,90E-09	8,94E-09
Ras association (RalGDS/AF-6) domain family member 4	1,686243636	10,35144737	106,9252397	4,66E-09	1,83E-08
solute carrier family 6 (neurotransmitter transporter, GABA), member 13	2,951710562	7,661667504	106,9084509	4,66E-09	1,83E-08
acyl-CoA synthetase short-chain family member 2	1,808533359	9,186330485	103,2023232	5,84E-09	2,11E-08
carbonyl reductase 3	1,791063584	6,592498162	96,95121066	8,70E-09	2,92E-08
Ras association (RalGDS/AF-6) domain family member 4	1,581199174	10,19684085	91,2836617	1,28E-08	4,00E-08
aldo-keto reductase family 1, member B8	2,939497082	7,297361153	88,80671093	1,52E-08	4,46E-08
deleted in lymphocytic leukemia, 2	1,839946799	6,355884084	79,28613529	3,11E-08	8,59E-08
ubiquitin carboxy-terminal hydrolase L1	2,326893285	6,381454567	75,2175014	4,32E-08	1,09E-07
family with sequence similarity 55, member D	1,764304323	5,35300935	74,9705382	4,41E-08	1,09E-07
RIKEN cDNA D330045A20 gene	2,467953511	5,996618822	70,41226383	6,52E-08	1,50E-07
microsomal glutathione S-transferase 1	1,535613668	7,457779962	70,11047026	6,69E-08	1,50E-07
Ras association (RalGDS/AF-6) domain family member 4	2,338727834	7,920368881	68,15617256	7,98E-08	1,70E-07
muscle and microspikes RAS	1,463630875	9,137361548	67,65820531	8,35E-08	1,71E-07
heat-responsive protein 12	2,019280738	6,928296101	67,17376022	8,73E-08	1,71E-07
nicotinamide N-methyltransferase	1,543253314	5,620484325	65,46674819	1,02E-07	1,92E-07
sulfiredoxin 1 homolog (S. cerevisiae)	1,81654058	8,589943709	64,16055885	1,16E-07	2,09E-07
biliverdin reductase B (flavin reductase (NADPH))	1,553770811	12,16971325	61,24149191	1,54E-07	2,69E-07
plakophilin 2	1,882973924	6,568493024	60,8664168	1,60E-07	2,69E-07
C-type lectin domain family 4, member n	1,396430397	11,19682899	60,16840406	1,72E-07	2,79E-07
peroxiredoxin 1	2,557104969	6,469014704	59,31988518	1,88E-07	2,94E-07
sulfiredoxin 1 homolog (S. cerevisiae)	1,736386648	6,564369712	56,25474801	2,59E-07	3,93E-07
plakophilin 2	1,572965747	6,254538441	54,37181158	3,19E-07	4,57E-07
solute carrier family 11 (proton-coupled divalent metal ion transporters), member 1	1,885165107	10,53394349	54,3123351	3,21E-07	4,57E-07
biliverdin reductase B (flavin reductase (NADPH))	1,758366587	9,050033801	52,83912399	3,79E-07	5,24E-07
sulfiredoxin 1 homolog (S. cerevisiae)	1,423814773	9,237710459	51,7418339	4,30E-07	5,77E-07
catalase	1,437072535	8,273289736	50,17577099	5,17E-07	6,75E-07
solute carrier family 11 (proton-coupled divalent metal ion transporters), member 1	1,925026398	8,707539438	47,30930838	7,35E-07	9,34E-07
pannexin 1	1,502166483	7,890064181	46,06642119	8,61E-07	1,07E-06
SLAM family member 9	1,423285478	6,634081954	45,3109117	9,50E-07	1,14E-06
C-type lectin domain family 4, member b1	1,823834893	8,577381069	36,27234955	3,48E-06	4,09E-06
peroxiredoxin 1	1,351579862	11,81387217	33,87958526	5,14E-06	5,89E-06
endothelial cell-specific adhesion molecule	1,860157866	5,45878196	33,09448281	5,86E-06	6,56E-06
growth arrest specific 7	1,40992749	8,18944093	29,74759603	1,07E-05	1,14E-05
hypothetical LOC100503924	1,468028957	7,043077154	29,72107119	1,07E-05	1,14E-05
superoxide dismutase 3, extracellular	1,459251611	6,32932001	28,91888794	1,25E-05	1,30E-05
protein tyrosine phosphatase, receptor type, E	1,368570979	8,965046502	27,5517246	1,63E-05	1,66E-05

cytochrome b-5	1,338417986	11,82435883	24,85330374	2,84E-05	2,84E-05

Panel 9: Signaling impact pathway analysis (SPIA) algorithm output for all genes differentially (FDR < 0.05) regulated by Porphyromonas gingivalis challenge in DCs.

	Name	ID	pSize	NDE	pNDE	tA	pPERT	pG	pGFdr	pGFWER	Status
1	Cytokine-cytokine receptor interaction	4060	165	48	1,70E-17	45,16027179	5,00E-06	4,40E-21	5,24E-19	5,24E-19	Activated
2	Lysosome	4142	113	35	4,85E-14	0	NA	4,85E-14	2,89E-12	5,77E-12	Inhibited
3	Osteoclast differentiation	4380	104	28	6,26E-10	34,6026405	5,00E-06	1,08E-13	4,27E-12	1,28E-11	Activated
4	MAPK signaling pathway	4010	209	39	3,15E-08	30,64315146	5,00E-06	4,80E-12	1,43E-10	5,71E-10	Activated
5	Tuberculosis	5152	145	36	3,00E-11	35,22413473	0,007	6,33E-12	1,51E-10	7,54E-10	Activated
6	Staphylococcus aureus infection	5150	38	13	1,26E-06	-23,34898946	5,00E-06	1,69E-10	3,36E-09	2,01E-08	Inhibited
7	Chemokine signaling pathway	4062	139	27	1,79E-06	39,87846152	5,00E-06	2,37E-10	4,03E-09	2,82E-08	Activated
8	Toll-like receptor signaling pathway	4620	88	27	4,78E-11	4,653317518	0,612	7,39E-10	1,10E-08	8,80E-08	Activated
9	Systemic lupus erythematosus	5322	87	19	1,03E-05	-12,99545875	5,00E-06	1,28E-09	1,69E-08	1,52E-07	Inhibited
10	Rheumatoid arthritis	5323	71	23	3,83E-10	1,371990015	0,538	4,80E-09	5,72E-08	5,72E-07	Activated
11	Amoebiasis	5146	85	22	9,13E-08	11,98910485	0,003	6,30E-09	6,82E-08	7,50E-07	Activated
12	Pertussis	5133	64	20	1,07E-08	-11,628342	0,049	1,18E-08	1,17E-07	1,40E-06	Inhibited
13	HTLV-I infection	5166	217	38	2,62E-07	22,59945961	0,007	3,87E-08	3,54E-07	4,61E-06	Activated
14	Focal adhesion	4510	163	34	1,36E-08	3,604137297	0,762	2,01E-07	1,71E-06	2,39E-05	Activated
15	Chagas disease (American trypanosomiasis)	5142	83	22	5,74E-08	9,382133605	0,227	2,50E-07	1,98E-06	2,97E-05	Activated
16	Leishmaniasis	5140	57	18	4,83E-08	-4,594003187	0,327	3,00E-07	2,23E-06	3,57E-05	Inhibited
17	NOD-like receptor signaling pathway	4621	50	17	3,29E-08	-0,717300671	0,867	5,24E-07	3,67E-06	6,24E-05	Inhibited
18	Graft-versus-host disease	5332	35	13	4,22E-07	3,196234713	0,334	2,37E-06	1,56E-05	0,000281612	Activated
19	Allograft rejection	5330	33	12	1,54E-06	3,268631319	0,296	7,10E-06	4,45E-05	0,00084537	Activated
20	African trypanosomiasis	5143	20	8	3,99E-05	2,980804733	0,047	2,66E-05	0,000155965	0,003166232	Activated
21	Complement and coagulation cascades	4610	47	12	8,84E-05	-22,90895164	0,022	2,75E-05	0,000155965	0,003275264	Inhibited
22	Type I diabetes mellitus	4940	38	12	8,38E-06	3,260822248	0,296	3,45E-05	0,000186622	0,004105688	Activated
23	Legionellosis	5134	50	14	7,31E-06	3,558447005	0,398	4,00E-05	0,000206883	0,004758298	Activated
24	Jak-STAT signaling pathway	4630	105	20	5,06E-05	-4,492312042	0,066	4,55E-05	0,000225422	0,00541012	Inhibited
25	ECM-receptor interaction	4512	63	15	2,95E-05	-4,329246146	0,148	5,83E-05	0,000277651	0,006941265	Inhibited
26	Malaria	5144	38	12	8,38E-06	0,439149293	0,678	7,43E-05	0,000340146	0,008843793	Activated
27	Toxoplasmosis	5145	100	20	2,43E-05	-5,889001295	0,248	7,84E-05	0,00034533	0,009323906	Inhibited
28	Viral myocarditis	5416	61	15	1,96E-05	3,972196961	0,337	8,52E-05	0,00035556	0,010137884	Activated
29	Measles	5162	103	21	1,12E-05	-2,984233026	0,597	8,66E-05	0,00035556	0,010311228	Inhibited
30	Herpes simplex infection	5168	161	27	3,02E-05	6,257966986	0,307	0,00011682	0,000449085	0,01390156	Activated
31	Prion diseases	5020	30	10	2,80E-05	3,84882956	0,332	0,000116989	0,000449085	0,013921638	Activated
32	Intestinal immune network for IgA production	4672	30	10	2,80E-05	1,929758322	0,404	0,000140139	0,000514269	0,016676595	Activated
33	Natural killer cell mediated cytotoxicity	4650	95	19	3,84E-05	18,26535518	0,3	0,000142612	0,000514269	0,01697087	Activated
34	Apoptosis	4210	70	11	0,010803488	26,01767874	0,003	0,000367438	0,001286034	0,043725167	Activated
35	Endocrine and other factor-regulated calcium reabsorption	4961	37	8	0,004094094	-11,03224621	0,009	0,000413007	0,001404223	0,049147801	Inhibited
36	Salmonella infection	5132	71	15	0,000128537	3,335987637	0,402	0,000561702	0,001856738	0,06684258	Activated
37	Autoimmune thyroid disease	5320	39	10	0,000326942	3,27239882	0,241	0,000823283	0,002647857	0,097970696	Activated
38	T cell receptor signaling pathway	4660	88	17	0,000151237	3,919362045	0,561	0,000880228	0,002756505	0,104747173	Activated
39	PPAR signaling pathway	3320	51	9	0,009688794	-2,456140273	0,018	0,001683671	0,005137354	0,20035679	Inhibited
40	Mineral absorption	4978	29	8	0,000759879	0,460023749	0,239	0,001745944	0,005194183	0,207767329	Activated
41	Bladder cancer	5219	38	10	0,00025966	0,596412242	0,902	0,002192065	0,006362336	0,260855761	Activated
42	Pancreatic cancer	5212	63	13	0,000453115	1,708156887	0,735	0,002999772	0,008499353	0,356972818	Activated
43	Antigen processing and presentation	4612	59	12	0,000850538	2,063931586	0,447	0,003374129	0,009337707	0,401521381	Activated
44	Colorectal cancer	5210	52	11	0,000982045	-1,785087369	0,399	0,003465658	0,00937303	0,412413302	Inhibited
45	Calcium signaling pathway	4020	118	18	0,001866922	6,180068435	0,223	0,003657007	0,009670751	0,435183804	Activated
46	TGF-beta signaling pathway	4350	65	13	0,000621693	-1,35450814	0,787	0,004218794	0,010913837	0,502036491	Inhibited
47	Amyotrophic lateral sclerosis (ALS)	5014	43	6	0,085064451	17,10583719	0,006	0,004379292	0,011087996	0,521135799	Activated
48	Aldosterone-regulated sodium reabsorption	4960	30	6	0,018110415	-5,891113192	0,031	0,004763693	0,011809989	0,566879493	Inhibited
49	Vascular smooth muscle contraction	4270	81	14	0,001755405	-2,545343857	0,672	0,009133365	0,021740655	1	Inhibited
50	B cell receptor signaling pathway	4662	63	12	0,001554459	1,745768904	0,759	0,009134729	0,021740655	1	Activated
51	Cell cycle	4110	106	16	0,003620206	-5,355221046	0,345	0,009598887	0,022397404	1	Inhibited
52	Influenza A	5164	133	19	0,003055866	-3,001112972	0,488	0,011196596	0,025622979	1	Inhibited
53	Cholinergic synapse	4725	80	13	0,004391963	5,142565752	0,412	0,013235888	0,029320499	1	Activated
54	p53 signaling pathway	4115	57	11	0,002157471	0,44093001	0,85	0,013389559	0,029320499	1	Activated
55	Arrhythmogenic right ventricular cardiomyopathy (ARVC)	5412	56	11	0,001859577	0	1	0,013551491	0,029320499	1	Inhibited
56	Adipocytokine signaling pathway	4920	55	9	0,015680255	5,230813655	0,124	0,014082602	0,029925528	1	Activated
57	Insulin signaling pathway	4910	111	14	0,027656353	-21,15595059	0,073	0,014546669	0,030369361	1	Inhibited
58	Salivary secretion	4970	51	10	0,002993553	0,687410978	0,695	0,014928014	0,030628166	1	Activated
59	Asthma	5310	16	5	0,004236339	-0,893515432	0,519	0,015654253	0,031573833	1	Inhibited
60	mTOR signaling pathway	4150	44	8	0,012049295	0,986620303	0,195	0,016573004	0,032869791	1	Activated
61	Small cell lung cancer	5222	69	11	0,00971869	-5,157627896	0,264	0,017871649	0,034595132	1	Inhibited
62	GnRH signaling pathway	4912	77	9	0,099667449	25,4773167	0,026	0,018024355	0,034595132	1	Activated
63	Sulfur relay system	4122	10	4	0,003910065	-0,585605319	0,69	0,018657004	0,035241007	1	Inhibited
64	Fc epsilon RI signaling pathway	4664	61	10	0,011040075	7,405866889	0,343	0,024902579	0,046303234	1	Activated
65	VEGF signaling pathway	4370	60	10	0,009846456	4,234665997	0,398	0,025637167	0,046935737	1	Activated
66	Melanoma	5218	55	9	0,015680255	-9,194837347	0,263	0,026768092	0,04826368	1	Inhibited
67	Leukocyte transendothelial migration	4670	85	13	0,007394591	3,986285776	0,601	0,028514402	0,050049777	1	Activated
68	Chronic myeloid leukemia	5220	64	11	0,005492531	-1,015021633	0,812	0,028599873	0,050049777	1	Inhibited
69	Glutamatergic synapse	4724	82	12	0,013804652	1,754035145	0,472	0,039313222	0,067801063	1	Activated
70	GABAergic synapse	4727	58	10	0,007756374	0,174002321	0,88	0,040865424	0,068846458	1	Activated
71	Glioma	5214	55	9	0,015680255	-4,836985658	0,438	0,041076458	0,068846458	1	Inhibited
72	Melanogenesis	4916	67	8	0,106020909	17,81650211	0,073	0,045364574	0,07497756	1	Activated
73	Progesterone-mediated oocyte maturation	4914	66	8	0,099249956	6,205777728	0,08	0,046336568	0,075534954	1	Activated
74	Regulation of actin cytoskeleton	4810	169	21	0,009779377	-1,275055626	0,873	0,049203567	0,079124655	1	Inhibited
75	Type II diabetes mellitus	4930	42	5	0,180741885	-6,43895741	0,068	0,066355305	0,10528375	1	Inhibited
76	Dopaminergic synapse	4728	102	14	0,014154484	0,080682318	0,977	0,07303048	0,114350357	1	Activated
77	Dilated cardiomyopathy	5414	64	10	0,015281764	0	1	0,079176274	0,122363332	1	Inhibited
78	Cytosolic DNA-sensing pathway	4623	50	8	0,025013878	0,542214267	0,65	0,083231674	0,126981657	1	Activated
79	Long-term potentiation	4720	52	8	0,03093327	-4,025892389	0,58	0,090076975	0,135685569	1	Inhibited
80	Alzheimer's disease	5010	138	17	0,02027282	-0,177251817	0,905	0,091703222	0,136408542	1	Inhibited
81	Thyroid cancer	5216	23	5	0,021475599	-0,273897463	0,9	0,095600315	0,140449846	1	Inhibited
82	Fc gamma R-mediated phagocytosis	4666	76	10	0,044678044	3,633373293	0,452	0,099000311	0,143671183	1	Activated
83	Endometrial cancer	5213	42	7	0,028589225	1,671682564	0,747	0,10350078	0,148392684	1	Activated
84	Basal cell carcinoma	5217	29	3	0,346229409	6,984778543	0,066	0,109199987	0,153552409	1	Activated
85	Fanconi anemia pathway	3460	40	2	0,792356596	-2,051380187	0,029	0,109680292	0,153552409	1	Inhibited
86	Bacterial invasion of epithelial cells	5100	60	9	0,026525407	0,450400266	0,948	0,117760454	0,162947605	1	Activated
87	Bile secretion	4976	42	7	0,028589225	0	1	0,130216067	0,178111632	1	Inhibited
88	Carbohydrate digestion and absorption	4973	25	5	0,030124517	0	1	0,135633103	0,183164735	1	Inhibited
89	Non-small cell lung cancer	5223	46	7	0,044349254	2,36118284	0,688	0,136988752	0,183164735	1	Activated
90	Oocyte meiosis	4114	87	11	0,046624335	2,127261625	0,678	0,140804333	0,186174618	1	Activated
91	Wnt signaling pathway	4310	111	13	0,054801026	1,64118742	0,675	0,158952295	0,20717704	1	Activated
92	Dorso-ventral axis formation	4320	18	3	0,134733099	0,592964939	0,278	0,16048289	0,20717704	1	Activated
93	Hepatitis C	5160	106	11	0,138796715	3,817407966	0,273	0,161911469	0,20717704	1	Activated
94	Long-term depression	4730	48	6	0,127480493	-4,051821125	0,303	0,164310342	0,207344392	1	Inhibited
95	Notch signaling pathway	4330	39	6	0,057779369	-2,001918133	0,675	0,165527035	0,207344392	1	Inhibited
96	Acute myeloid leukemia	5221	49	7	0,05924699	0,96220739	0,719	0,17703692	0,219452015	1	Activated
97	Renal cell carcinoma	5211	62	7	0,155010794	2,911035083	0,342	0,208725775	0,256065641	1	Activated

98	Neurotrophin signaling pathway	4722	111	11	0,172902436	4,714624733	0,397	0,252524384	0,306636752	1	Activated
99	Tight junction	4530	98	11	0,092585325	0,71457817	0,762	0,257608687	0,309650846	1	Activated
100	Pancreatic secretion	4972	62	8	0,074695574	0	1	0,268480874	0,31841552	1	Inhibited
101	Neuroactive ligand-receptor interaction	4080	128	14	0,075445526	0	1	0,270422749	0,31841552	1	Inhibited
102	Gastric acid secretion	4971	47	6	0,118292838	0,687410978	0,646	0,272927589	0,31841552	1	Activated
103	Gap junction	4540	66	8	0,099249956	0,676645711	0,837	0,289759618	0,33477082	1	Activated
104	RIG-I-like receptor signaling pathway	4622	56	7	0,104666417	0,542214267	0,83	0,299130803	0,342274669	1	Activated
105	Axon guidance	4360	97	7	0,550629871	-4,07416301	0,171	0,316632049	0,358849655	1	Inhibited
106	Parkinson's disease	5012	97	9	0,260711315	1,405483119	0,469	0,379230866	0,425740311	1	Activated
107	Vasopressin-regulated water reabsorption	4962	36	1	0,931737498	0,989229583	0,144	0,403670653	0,448942128	1	Activated
108	Huntington's disease	5016	142	14	0,141221985	0	1	0,417653042	0,460191778	1	Inhibited
109	Regulation of autophagy	4140	23	1	0,819940295	-1,265574003	0,176	0,42366309	0,462531263	1	Inhibited
110	RNA transport	3013	135	8	0,761487097	-0,630080852	0,193	0,428783179	0,463865439	1	Inhibited
111	RNA degradation	3018	61	5	0,447631954	-0,485628781	0,397	0,484722002	0,519656921	1	Inhibited
112	Protein processing in endoplasmic reticulum	4141	141	13	0,212634448	0	1	0,541831016	0,575695455	1	Inhibited
113	ErbB signaling pathway	4012	72	5	0,59640034	3,716486596	0,451	0,622178021	0,655214022	1	Activated
114	Phototransduction	4744	19	1	0,757354947	-0,687410978	0,459	0,714937313	0,746294212	1	Inhibited
115	Circadian rhythm - mammal	4710	16	1	0,69652673	0,398478492	0,778	0,87390658	0,904303331	1	Activated
116	SNARE interactions in vesicular transport	4130	33	2	0,696287699	0	1	0,948338515	0,972864511	1	Inhibited
117	Taste transduction	4742	24	1	0,832881812	0	1	0,98518552	0,999915131	1	Inhibited
118	Hedgehog signaling pathway	4340	29	1	0,884910666	0	1	0,993107438	0,999915131	1	Inhibited
119	Olfactory transduction	4740	334	3	0,999999995	0,092424871	0,987	0,999915131	0,999915131	1	Activated

Panel 10: Signaling impact pathway analysis (SPIA) algorithm output for all genes differentially (FDR < 0.05) regulated by *Aggregatibacter actinomycetemcomitans* challenge in DCs.

	Name	ID	pSize	NDE	pNDE	tA	pPERT	pG	pGFdr	pGFWER	Status
1	Osteoclast differentiation	4380	104	56	1,78E-15	41,4180719	5,00E-06	4,19E-19	5,03E-17	5,03E-17	Activated
2	Cytokine-cytokine receptor interaction	4060	165	72	2,74E-13	78,39556393	5,00E-06	5,77E-17	3,46E-15	6,92E-15	Activated
3	Antigen processing and presentation	4612	59	36	1,23E-12	16,52756886	5,00E-06	2,49E-16	9,96E-15	2,99E-14	Activated
4	HTLV-I infection	5166	217	92	1,27E-15	28,02569569	0,016	7,99E-16	2,40E-14	9,59E-14	Activated
5	Leishmaniasis	5140	57	38	4,27E-15	-20,83855494	0,008	1,33E-15	3,19E-14	1,60E-13	Inhibited
6	Herpes simplex infection	5168	161	77	7,96E-17	4,434854727	0,704	2,15E-15	4,31E-14	2,58E-13	Activated
7	Measles	5162	103	55	5,12E-15	-18,2669676	0,044	8,34E-15	1,43E-13	1,00E-12	Inhibited
8	Tuberculosis	5152	145	66	2,41E-13	53,80234837	0,004	3,43E-14	4,85E-13	4,11E-12	Activated
9	Graft-versus-host disease	5332	35	24	2,05E-10	19,65471435	5,00E-06	3,64E-14	4,85E-13	4,37E-12	Activated
10	Allograft rejection	5330	33	23	2,95E-10	19,66711544	5,00E-06	5,19E-14	6,22E-13	6,22E-12	Activated
11	Lysosome	4142	113	56	1,90E-13	0	NA	1,90E-13	1,98E-12	2,28E-11	Inhibited
12	Jak-STAT signaling pathway	4630	105	54	7,15E-14	-7,369840062	0,082	1,98E-13	1,98E-12	2,38E-11	Inhibited
13	Type I diabetes mellitus	4940	38	24	2,62E-09	19,88993921	5,00E-06	4,31E-13	3,98E-12	5,17E-11	Activated
14	Rheumatoid arthritis	5323	71	39	1,45E-11	12,18375883	0,002	9,30E-13	7,97E-12	1,12E-10	Activated
15	Staphylococcus aureus infection	5150	38	26	3,85E-11	-28,24737614	0,001	1,23E-12	9,82E-12	1,47E-10	Inhibited
16	Chemokine signaling pathway	4062	139	61	1,32E-11	38,95704425	0,034	1,32E-11	9,87E-11	1,58E-09	Activated
17	Autoimmune thyroid disease	5320	39	22	2,16E-07	19,54148795	5,00E-06	3,09E-11	2,18E-10	3,71E-09	Activated
18	Small cell lung cancer	5222	69	38	2,37E-11	20,09769438	0,051	3,44E-11	2,22E-10	4,13E-09	Activated
19	Influenza A	5164	133	61	1,27E-12	-0,287246422	0,974	3,52E-11	2,22E-10	4,23E-09	Inhibited
20	Toll-like receptor signaling pathway	4620	88	46	2,34E-12	7,334414515	0,572	3,80E-11	2,28E-10	4,56E-09	Activated
21	Toxoplasmosis	5145	100	48	4,21E-11	-8,430083919	0,32	3,51E-10	2,00E-09	4,21E-08	Inhibited
22	MAPK signaling pathway	4010	209	66	8,07E-06	38,76158962	5,00E-06	1,01E-09	5,45E-09	1,21E-07	Activated
23	Viral myocarditis	5416	61	31	2,10E-08	23,09832859	0,002	1,04E-09	5,45E-09	1,25E-07	Activated
24	Chagas disease (American trypanosomiasis)	5142	83	42	8,18E-11	0,553470333	0,956	1,90E-09	9,49E-09	2,28E-07	Activated
25	Systemic lupus erythematosus	5322	87	41	2,17E-09	-6,496590093	0,069	3,54E-09	1,70E-08	4,25E-07	Inhibited
26	B cell receptor signaling pathway	4662	63	34	5,49E-10	-0,866866355	0,936	1,15E-08	5,31E-08	1,38E-06	Inhibited
27	Intestinal immune network for IgA production	4672	30	18	7,96E-07	11,8241682	0,001	1,75E-08	7,77E-08	2,10E-06	Activated
28	Apoptosis	4210	70	32	2,96E-07	33,69300511	0,004	2,55E-08	1,09E-07	3,07E-06	Activated
29	Pertussis	5133	64	31	8,80E-08	-17,58928794	0,02	3,72E-08	1,54E-07	4,47E-06	Inhibited
30	Amoebiasis	5146	85	38	4,95E-08	9,822727266	0,041	4,27E-08	1,71E-07	5,12E-06	Activated
31	Acute myeloid leukemia	5221	49	27	1,80E-08	7,188679208	0,219	8,03E-08	3,11E-07	9,64E-06	Activated
32	Malaria	5144	38	23	1,83E-08	-0,266350704	0,874	3,03E-07	1,14E-06	3,63E-05	Inhibited
33	Hepatitis C	5160	106	43	2,06E-07	11,8206163	0,111	4,26E-07	1,55E-06	5,11E-05	Activated
34	Pancreatic cancer	5212	63	31	5,54E-08	6,260887175	0,446	4,57E-07	1,61E-06	5,49E-05	Activated
35	T cell receptor signaling pathway	4660	88	39	4,44E-08	5,799385439	0,578	4,75E-07	1,63E-06	5,70E-05	Activated
36	Regulation of actin cytoskeleton	4810	169	62	4,53E-08	-1,710498432	0,899	7,33E-07	2,44E-06	8,80E-05	Inhibited
37	Legionellosis	5134	50	25	7,21E-07	4,720708762	0,368	4,28E-06	1,39E-05	0,000514143	Activated
38	Focal adhesion	4510	163	58	4,02E-07	-1,841374494	0,902	5,74E-06	1,81E-05	0,000688796	Inhibited
39	Salmonella infection	5132	71	31	1,55E-06	7,163214084	0,242	5,93E-06	1,82E-05	0,000711534	Activated
40	Cell cycle	4110	106	40	4,71E-06	-16,83714823	0,106	7,75E-06	2,32E-05	0,000929506	Inhibited
41	mTOR signaling pathway	4150	44	23	7,25E-07	0,349325705	0,785	8,75E-06	2,53E-05	0,001050522	Activated
42	Natural killer cell mediated cytotoxicity	4650	95	38	1,56E-06	21,52270497	0,37	8,86E-06	2,53E-05	0,001063156	Activated
43	African trypanosomiasis	5143	20	12	5,83E-05	4,90909777	0,012	1,06E-05	2,96E-05	0,001273259	Activated
44	Leukocyte transendothelial migration	4670	85	34	5,43E-06	18,79537095	0,162	1,31E-05	3,58E-05	0,001576525	Activated
45	Chronic myeloid leukemia	5220	64	29	1,32E-06	2,206103026	0,783	1,53E-05	4,08E-05	0,001836177	Activated
46	Fc gamma R-mediated phagocytosis	4666	76	32	2,77E-06	5,597072934	0,577	2,29E-05	5,98E-05	0,002751423	Activated
47	NOD-like receptor signaling pathway	4621	50	24	3,05E-06	-2,501804534	0,696	2,98E-05	7,61E-05	0,003578055	Inhibited
48	Endocrine and other factor-regulated calcium reabsorption	4961	37	17	0,000165481	-12,15267884	0,032	6,96E-05	0,000174068	0,008355278	Inhibited
49	Insulin signaling pathway	4910	111	38	9,84E-05	-30,91052212	0,084	0,00010496	0,000257046	0,012595235	Inhibited
50	Bacterial invasion of epithelial cells	5100	60	25	4,10E-05	15,50959073	0,261	0,00013323	0,000319752	0,015987592	Activated
51	p53 signaling pathway	4115	57	25	1,42E-05	-1,152553101	0,782	0,000137615	0,0003238	0,0165138	Inhibited
52	Aldosterone-regulated sodium reabsorption	4960	30	14	0,000509445	-8,963037976	0,025	0,000156286	0,00036066	0,018754318	Inhibited
53	Carbohydrate digestion and absorption	4973	25	14	4,06E-05	-1,147155573	0,361	0,000177861	0,000402705	0,021343367	Inhibited
54	Glioma	5214	55	24	2,33E-05	-4,050529582	0,722	0,000201353	0,000447451	0,024162379	Inhibited
55	ECM-receptor interaction	4512	63	26	3,54E-05	2,367619693	0,552	0,000231202	0,000504442	0,027744292	Activated
56	Cytosolic DNA-sensing pathway	4623	50	22	4,32E-05	1,719993172	0,484	0,000246119	0,000527397	0,029534237	Activated
57	Asthma	5310	16	9	0,000982634	5,518985942	0,028	0,000316431	0,00066617	0,037971711	Activated
58	Complement and coagulation cascades	4610	47	17	0,004174757	-31,39751982	0,008	0,000377632	0,000781308	0,045315874	Inhibited
59	Prion diseases	5020	30	15	0,000122288	5,179651642	0,33	0,000448659	0,000912527	0,053839113	Activated
60	Cholinergic synapse	4725	80	28	0,000514493	15,73594347	0,109	0,000605029	0,001210059	0,072603525	Activated
61	VEGF signaling pathway	4370	60	23	0,000362263	9,602123796	0,237	0,000889715	0,001750258	0,106765768	Activated
62	TGF-beta signaling pathway	4350	65	22	0,003170752	-18,24497016	0,028	0,000917049	0,001774935	0,11004594	Inhibited
63	Type II diabetes mellitus	4930	42	16	0,002959578	-14,60190946	0,033	0,00099951	0,001903829	0,119941228	Inhibited
64	Neurotrophin signaling pathway	4722	111	36	0,000488069	9,735740593	0,354	0,001669627	0,00313055	0,200355187	Activated
65	Colorectal cancer	5210	52	21	0,000279746	-1,217603765	0,711	0,001894064	0,003496734	0,227287694	Inhibited
66	Bladder cancer	5219	38	17	0,000246841	1,092891504	0,869	0,002026464	0,00368448	0,243175709	Activated
67	Tight junction	4530	98	32	0,000857381	-5,797816744	0,267	0,002147766	0,003803754	0,257731895	Inhibited
68	Non-small cell lung cancer	5223	46	19	0,000383705	-6,019168429	0,599	0,002155461	0,003803754	0,258655272	Inhibited
69	Amyotrophic lateral sclerosis (ALS)	5014	43	14	0,023696486	20,85157774	0,01	0,002215052	0,003852265	0,265806289	Activated
70	Endometrial cancer	5213	42	18	0,000315151	2,726732272	0,774	0,002273066	0,003896684	0,272767894	Activated
71	Melanoma	5218	55	21	0,000683855	-8,966020662	0,47	0,00290646	0,004912327	0,348775226	Inhibited
72	ErbB signaling pathway	4012	72	25	0,001142458	13,67957328	0,292	0,003004239	0,005007065	0,360508705	Activated
73	Alzheimer's disease	5010	138	41	0,001493015	-5,386801391	0,241	0,003213132	0,005281861	0,385575824	Inhibited
74	Vascular smooth muscle contraction	4270	81	26	0,003270004	-12,0409787	0,17	0,004722332	0,007657836	0,566679862	Inhibited

75	Progesterone-mediated oocyte maturation	4914	66	21	0,008621212	9,74562595	0,071	0,005140837	0,008225339	0,616900414	Activated
76	Mineral absorption	4978	29	10	0,035449273	2,209117452	0,021	0,006106513	0,009641862	0,732781528	Activated
77	RIG-I-like receptor signaling pathway	4622	56	20	0,002348149	4,021239035	0,38	0,007157746	0,011154928	0,858929476	Activated
78	PPAR signaling pathway	3320	51	14	0,089343215	-3,39854573	0,015	0,010205195	0,0157003	1	Inhibited
79	Protein processing in endoplasmic reticulum	4141	141	40	0,004211429	3,863443971	0,327	0,010449372	0,015872464	1	Activated
80	Fc epsilon RI signaling pathway	4664	61	20	0,007116957	14,07364937	0,217	0,011541355	0,017312033	1	Activated
81	Calcium signaling pathway	4020	118	33	0,010927748	9,018745611	0,148	0,012011725	0,017795148	1	Activated
82	Oocyte meiosis	4114	87	27	0,004652083	5,969669178	0,496	0,01631729	0,02387896	1	Activated
83	Huntington's disease	5016	142	37	0,022902125	3,046210309	0,111	0,017730764	0,025634839	1	Activated
84	Glutamatergic synapse	4724	82	26	0,003939821	1,737406748	0,661	0,018100959	0,025858513	1	Activated
85	Long-term potentiation	4720	52	18	0,005551471	-7,34127675	0,531	0,020123915	0,028410233	1	Inhibited
86	GABAergic synapse	4727	58	20	0,003753961	0,364259275	0,871	0,021982381	0,03067309	1	Activated
87	Gap junction	4540	66	20	0,017818193	8,203081234	0,245	0,028087493	0,03874137	1	Activated
88	Renal cell carcinoma	5211	62	19	0,018273587	6,146422219	0,259	0,030068922	0,041003076	1	Activated
89	RNA transport	3013	135	37	0,010353837	0,689306042	0,518	0,033403509	0,045038439	1	Activated
90	Arrhythmogenic right ventricular cardiomyopathy (ARVC)	5412	56	19	0,005700641	0	1	0,03515686	0,046875814	1	Inhibited
91	Thyroid cancer	5216	23	10	0,006034595	-0,026362087	0,996	0,036749462	0,048460829	1	Inhibited
92	Adipocytokine signaling pathway	4920	55	17	0,022767199	3,229574355	0,401	0,052004553	0,067832025	1	Activated
93	Salivary secretion	4970	51	15	0,047390296	3,190191044	0,231	0,060370024	0,077896805	1	Activated
94	Parkinson's disease	5012	97	28	0,011697492	0,044329105	0,992	0,063315737	0,080828601	1	Activated
95	Dopaminergic synapse	4728	102	28	0,022927714	-2,017802841	0,539	0,066652441	0,084192557	1	Inhibited
96	Melanogenesis	4916	67	18	0,071445114	16,01242727	0,241	0,087155178	0,108943973	1	Activated
97	RNA degradation	3018	61	18	0,030875192	0,610217921	0,588	0,09093338	0,112494903	1	Activated
98	Gastric acid secretion	4971	47	15	0,0235345	-0,174848403	0,951	0,107419745	0,130680755	1	Inhibited
99	Wnt signaling pathway	4310	111	30	0,023494786	0,349882069	0,957	0,107811623	0,130680755	1	Activated
100	Fanconi anemia pathway	3460	40	5	0,899241178	-2,994159787	0,031	0,127673484	0,153208181	1	Inhibited
101	Notch signaling pathway	4330	39	10	0,191412172	-8,745456595	0,171	0,144654096	0,171866253	1	Inhibited
102	Regulation of autophagy	4140	23	2	0,949413082	-3,726505199	0,057	0,211953691	0,249357284	1	Inhibited
103	Dorso-ventral axis formation	4320	18	4	0,453780728	1,244099638	0,127	0,222089859	0,258745466	1	Activated
104	Pancreatic secretion	4972	62	16	0,114533206	0,614044544	0,56	0,240308652	0,277279214	1	Activated
105	GnRH signaling pathway	4912	77	19	0,129343016	6,957151808	0,519	0,248453837	0,283947243	1	Activated
106	Long-term depression	4730	48	12	0,185796665	-5,338279239	0,38	0,257748438	0,291790685	1	Inhibited
107	Basal cell carcinoma	5217	29	6	0,479807834	7,50549318	0,153	0,265136102	0,297348899	1	Activated
108	Axon guidance	4360	97	24	0,095202498	-1,793360538	0,791	0,270059905	0,300066562	1	Inhibited
109	Dilated cardiomyopathy	5414	64	17	0,085446417	0	1	0,295633136	0,325467673	1	Inhibited
110	Circadian rhythm - mammal	4710	16	5	0,171564468	-0,839831458	0,773	0,400546514	0,436959833	1	Inhibited
111	Vasopressin-regulated water reabsorption	4962	36	8	0,371932087	1,293699137	0,485	0,489327035	0,529002199	1	Activated
112	Sulfur relay system	4122	10	3	0,291062303	-0,359387794	0,876	0,603415185	0,64651627	1	Inhibited
113	SNARE interactions in vesicular transport	4130	33	8	0,279716987	0,005858753	0,997	0,634999661	0,674335923	1	Activated
114	Bile secretion	4976	42	9	0,401307336	0	1	0,767712059	0,808117956	1	Inhibited
115	Hedgehog signaling pathway	4340	29	5	0,667252554	-1,398028994	0,633	0,786400288	0,820591605	1	Inhibited
116	Neuroactive ligand-receptor interaction	4080	128	24	0,560268631	0	1	0,88485405	0,915366259	1	Inhibited
117	Olfactory transduction	4740	334	8	1	-2,478268194	0,691	0,94640428	0,968309915	1	Inhibited
118	Phototransduction	4744	19	3	0,727476408	0,023502626	0,972	0,952171417	0,968309915	1	Activated
119	Maturity onset diabetes of the young	4950	14	1	0,947372668	0	1	0,998590229	0,999084271	1	Inhibited
120	Taste transduction	4742	24	2	0,957510814	0	1	0,999084271	0,999084271	1	Inhibited